



TAMIL NADU Dr.J.JAYALALITHAA FISHERIES UNIVERSITY
NAGAPATTINAM – 611 002

TENDER DOCUMENT

INVITATION FOR PRICE TENDER

Single Cover System

Name of Work : Construction of seed Quality Assessment Lab in the First floor of state Referral Laboratory Building at Madhavaram Campus, Chennai.

EMD Amount : Rs.44,000/-

Date of Tender : 10.06.2022

Issued To : Thiru. M/s

Estate Officer i/c,
Tamilnadu Dr.J.Jayalalithaa
Fisheries University,
Nagapattinam.

SCHEDULE "A"**SCHEDULE OF RATES AND APPROXIMATE QUANTITIES**

(a) The quantities given here are those upon which the lumpsum tender cost of the work is based but they are subject to alternations omissions, deductions or addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit rates noted below are those Governing payment for extras or deductions or omissions according to the condition of the contract, as set forth in the General conditions to contract of the TAMILNADU BUILDING PRACTICE and other conditions or specifications of the contract.

(b) It is to be expressly understood that the measured work is to be taken (not withstanding any custom or practice to be contrary) according to the actual quantities when in place and finished according to the drawings or as may be ordered from time to time by Engineer In charge and the cost calculated by measurement or weight at the respective prices, without any additional changes for any necessary and contingent works connected therewith. The rates quoted are for works in site and complete in every respect.

Item no.	Probable quantity	Description of work	RATE (in words & figures)	UNIT (in words & figures)	Amount in figures.

Vide separate sheet enclosed

Contractor

**The Estate Officer i/c.,
TNJFU, Nagapattinam.**

SCHEDULE "B"
LIST OF DRAWINGS

Note : All drawings to be signed by the Contractor
as well as the officer entering in to contract

Sl. No.	Drawing No.	Description	Title	Sub Title	Revision	Date on which the drawing was supplied

Contractor

**The Estate Officer i/c.,
TNJFU, Nagapattinam.**

TAMIL NADU Dr.J.JAYALALITHAA FISHERIES UNIVERSITY
Nagapattinam

- Name of work : **Construction of seed Quality Assessment Lab in the First floor of state Referral Laboratory Building at Madhavaram Campus, Chennai.**
- Last date of receipt of tender : **10.06.2022 up to 3.00pm**
- E.M.D. to be remitted : **RS.44,000/-**
- Mode of E.M.D. to be remitted : E.M.D. will be accepted in the shape of Demand Draft of the nationalized Banks in the name of The Finance Officer, Tamilnadu Dr.J.Jayalalithaa Fisheries University, Nagapattinam-1 and National Savings scripts / Deposits / Accounts / I.V.P. Postal Department and pledged in the name of the Finance Officer, Tamilnadu Dr.J.Jayalalithaa Fisheries University, Nagapattinam - 2.

Tender not submitted in sealed cover will be summarily rejected.

Contractor

**The Estate Officer i/c.,
TNJFU, Nagapattinam.**

Annexure

PARTICULARS TO BE FURNISHED BY THE TENDERER

1. Name of the Tenderer and address
2. Name of work
3. Date of tender
4. Details about EMD enclosed for this tender and its validity
5. Registered class of the Tenderer with monetary limit and Department / Organization in which registered
6. Recent works executed (details about name and place of work, value of work etc. should be furnished)
7. Works under execution (details about name and place of work value of work etc. should be furnished)
8. Command of labour in brief
9. Turnover of previous year (particulars for period of five consecutive years to be furnished).
10. Whether income tax clearance certificate is enclosed if not when it will be produced.
11. (i). GST registration No.
(ii). Whether GST verification certificate is enclosed. If not, when it will be produced.
12. In case of registered co-operative 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 a registered contractor in the Department.
13. Technical Assistant details
 - (i). Name
Qualification certificate
Experience certificate
 - (ii). Name
Qualification certificate
Experience certificate
Or
Name
If retired civil Engineer Designation
And date of retirement (copy may be enclosed)
14. List of various machineries and other equipment's at the disposal of the tenderer for use in the execution of the work.
15. Any other details.

Contractor

**The Estate Officer i/c.,
TNJFU, Nagapattinam.**

Note: The consent letter from the Technical Assistant proposed to be employed should be furnished and enclosed with the tender

SPECIAL INSTRUCTIONS TO THE TENDERERS

1. The tenderer should carefully go through the schedules and quote their rates for all items.
2. The rates should be filled in neatly in figures and words and taking into account the metric unit specified in the tender, scrubbing, over writing and erasing should be attested by the tenderer.
3. The amount for each item of work should be worked out and furnished. Proper care must be taken in working out the amount of each item of work taking into account the unit for which the rate is quoted and the quantity of work to be done under the item.
4. The total of each page should be noted at the end of each page and carried over to every page and the grand total value of work should be worked out and shown at the end both in words and figures.

Contractor

**The Estate Officer i/c.,
TNJFU, Nagapattinam.**

TENDER NOTICE

On behalf of the Tamil Nadu Dr.J.Jayalalithaa Fisheries University, sealed tenders will be received by the **Estate Officer**, TNJFU, Nagapattinam at his office up to **3.00 P.M.** on **10.06.2022** for the work of **"Construction of seed Quality Assessment Lab in the First floor of state Referral Laboratory Building at Madhavaram Campus, Chennai"**.

- 1.1. The tender should be in the prescribed form obtainable from the office of the **Estate Officer**, Tamilnadu Dr.J.Jayalalithaa Fisheries University, Nagapattinam-1. The tenders will be opened by the **Estate Officer**, Tamilnadu Dr.J.Jayalalithaa Fisheries University, Nagapattinam-2 at 4.00 PM at the place and on the date before mentioned.
- 1.2. The tenderers or their agents 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 there in and hand it over to the tenderer concerned and initial all corrections in the presence of the tenderer. If any 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, on opening the tender of the absentee tenderer, make out a statement of the unattested corrections and communicate it to him. The absentee tenderer shall then accept the statement of the corrections without any questions whatsoever.
2. Tenders may be submitted in sealed covers and should be addressed to the **Estate Officer**, Tamilnadu Dr.J.Jayalalithaa Fisheries University, Nagapattinam-2. The name of the tenderer with their address and the name of the work being noted in the cover.
 - 2.1. 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 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 a duly authorized officer who shall produce with his tender, satisfactory evidence of his authorization. Such tendering corporation may be required to furnish evidence of the corporate existence.
3. Each tenderer must also send a current certificate of income tax clearance from the appropriate income tax authority in the form prescribed therefore. The certificate will be valid for one year from the date of issue for all tenders submitted during the period.
 - 3.1. In the case of proprietary or partnership firm, it will be necessary to produce the certificate afore mentioned for the proprietors and for each of the partner as the case may be.
 - 3.2. The current certificate for Registration of contractor in TN State PWD, other Government Departments and Public Sector Undertakings is to be produced.
 - 3.3. All tenders received without a certificate as afore mentioned will be summarily rejected.
4. Each tender must pay earnest money deposit a sum of **RS.44,000/- (Rupees forty four thousand only)**. Tenders submitted without EMD will be summarily rejected. The Earnest money will be refunded to the unsuccessful tenderer on application after intimation is sent on rejection of the tender or at the expiration of ninety days from

Contractor

**The Estate Officer i/c.,
TNJFU, Nagapattinam.**

the date of tender whichever is earlier. However, the earnest money for the first three lowest tenderers will be retained till the final decision is taken on tender. The earnest money will be retained in the case of successful tender and will not carry any interest. It will be dealt with as provided in the tender.

5. (i). The tender will remain valid for a period of ninety days from the last date of receipt of tender. The validity period can be extended further if the contractor gives his consent in writing, specifying the period of extension.

(ii). The tenderer whose tender is under consideration shall attend the **Estate Officer's** office before the end of the period specified on written intimation to him. If the tenderer fails to attend the office before the end of the specified period his tender will not be considered. He shall forthwith upon intimation being given to him of acceptance of his tender by the officer, duly authorized in this behalf, herein after called the accepting authority, furnish security deposit of 2% of the value of contract, in one lump sum, in one of the form prescribed by TNJFU (i.e.) 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 it the 2% of the value of contract for the purpose of security deposit. The security deposit together with earnest money deposit and the deductions made at 5% of the value of each bill towards withheld amount vide clause 64 (i) of General conditions to contract will be retained as security for the fulfilment of contract, such deposit shall not bear any interest.

(iii). 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 EMD shall be forfeited and credited to the University.

(iv). If the contractor fails to carry out the contract after paying the requisite deposits, then he will be liable for the excess expenditure if any, incurred to complete the work, as contemplated in the General conditions of contract.

(v). 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 TNJFU and the tenderer for execution of the work. For this purpose the tender documents (i.e.) tender notice, tender offered by contractor, General conditions to the contract, special condition to the contract, negotiation correspondence 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.

6. The tenderer shall examine closely the Tamil Nadu Building Practice and also General conditions to the contract contained therein and sign the divisional office copy of the Tamil Nadu Building Practice and its addenda volume in token of such study before submitting his tender, unit rates which shall be for finished work in situ. He shall also carefully study the drawings and additional specification and all the documents connected with the contract. The Tamilnadu buildings practice and other documents connected with the contract such as specifications, plans descriptive specification sheet regarding materials, etc. can be seen at any time during office hours from 10.00 A.M. to 5.00 P.M. at the office of the **Estate Officer**, Tamilnadu Dr.J.Jayalalithaa Fisheries University, Nagapattinam-2.
7. The tenderer's attention is directed to the requirements for materials under the materials and workmanship in the General conditions to the contract. Materials conforming to the Indian standard specification shall be used on the work and he shall quote his rates accordingly.

Contractor

**The Estate Officer i/c.,
TNJFU, Nagapattinam.**

8. Every tenderer is expected before quoting his rates to inspect the sites of the proposed work. He should also inspect the quarries and satisfy himself about the quality and availability materials. The best class of materials to be obtained from the quarries or other sources be used on the work. In every case, the materials must comply with the relevant standard specification. Samples of materials as called for in the standard specification or in this tender notice or as required by the **Estate Officer** in any case shall be submitted **Estate Officer's** approval before the supply to the site of work is begun.
- 8.1. The University will not pay any extra charges for lead or for any other reasons in case, the contractor is found later on to have misjudged materials available after acceptance of contract, rate, Attention of the contractor is directed to the general conditions to the contract regarding payment of Seigniorage, tolls etc.
9. The tenderer's particular attention is drawn to the section and clauses in the General conditions to the contract dealing with.

- 9.1. Test inspection and rejection of defective materials and work.
- 9.2. Carriage
- 9.3. Construction plant
- 9.4. Water and lighting
- 9.5. Cleaning up during progress and for delivery
- 9.6. Accidents
- 9.7. Delays
- 9.8. Particulars of payment

The contractor should closely peruse all the specification clauses for items of works for which he is tendering his rates.

- 10(i). A schedule of quantities accompanies this tender notice. It shall be definitely understood that, the TNJFU does not accept any responsibility for the correctness or completeness of this schedule and that this schedule is liable to alternation by omissions, deductions or additions at the discretion of the **Estate Officer**, Tamilnadu Fisheries University, Nagapattinam-1 or as set forth in the conditions of contract. The tenderer will however base his lumpsum tender on this schedule of quantities. He should quote specific rates for each item in the schedule and the rates should be in rupees and in sum of five paisa. The rate should be written both in words and figures and the units in words.
- 10(ii). The tenderer should also show the total of each item and the grant total of the whole contract and quote in the tender a lumpsum for which he will undertake to do the whole work subject to the condition of contract such lumpsum agreeing with the total amount of schedule (a). This schedule accompanying the lumpsum tender shall be written legibly and free from erasures / over writing, Correction where unavoidable should be made by crossing out, initialling dating and rewriting.
10. (iii) The tenderer offering a percentage deduction from or increase on the estimate amount (except in the case of tender called for specifically under the percentage rate tender system) and those not submitted in prescribed form or in due time will be rejected. Rates or lumpsum amounts for item not called for shall not be included in the tender. No alteration which is made by the tenderer in the contract form, the conditions or contract, the drawings, specifications or quantities accompanying the same will be recognized and, if any such alternations are made the tender will be void.
11. The tenderer should work out his own rates without reference being made to PWD current schedule rates or estimates.
12. The attention of the tenderer is directed to the contract requirements at the time of beginning work, the rates of progress and the dates for the completion of the whole work

Contractor

**The Estate Officer i/c.,
TNJFU, Nagapattinam.**

and its several parts. The following rate of progress and proportionate value of work done from time to time as will be indicated by the **Estate Officer** and certificates of the work done will be required. Date of commencement of this programme will be the date on which the site (or) premises is handed over to the contractor.

Period after date of commencement (1)	Percentage of work to be completed based on contract lumpsum amount (2)
First three months	30%
Second three months	30%
Third three months	40%

TOTAL NINE MONTHS	100%

In case of not achieving the rates of progress, as given above, TNJFU reserves the right to impose a penalty at pro rata basis. Also, penalty will be levied for not correcting defects in works completed, if any, pointed out by the Engineer-In charge with in stipulated period.

13. No part of the contract shall be sub-let without written permission of the **Estate Officer**, nor shall transfer be made by power of attorney, authorizing others to receive payment on the contractor's behalf.
14. If further necessary information is required, the **Estate Officer** will furnish such information but it must be clearly understood, that tenders must be received in order and according to instructions.
15. The **Estate Officer** or other sanctioning authority reserves the right to reject any tender or all the tenders.
16. The tenderer should have or employ Technical Assistants as required for this work.
 - a. A penalty of Rs.2000/- per month for diploma holders and Rs.5000/- per month for degree holder be levied in case of default on the part of contractors in following the norms laid down above.
 - b. It will not be incumbent on the part of the contractor to employ Technical Assistants when the work is kept in abeyance due to valid reasons and if during such period in the opinion of the **Estate Officer**, the employment of technical assistant is not required for the due fulfilment of the contract.
 - c. A movement register should be opened and maintained for Technical Assistants by the contractor. The Technical Assistants should note the arrival and departure timings every day along with their initials. Such register should be produced during inspection of the inspecting officers.
17. A tenderer submitting a tender which the tender accepting authority considers excessive and or indicative in sufficient knowledge of current prices or definite attempt at profiteering will render himself liable to be debarred permanently from tendering or for such period as the tender accepting authority may decide. The tender rates should be based on the controlled price for materials, if any fixed by Government or the reasonable price permissible for the tenderer to charge a private purchaser under the provisions of clause 8 of the Hoarding & profiteering Prevention ordinance 1943, as amended from time to time on similar principles in regard to labour and supervision in the construction.

Contractor

**The Estate Officer i/c.,
TNJFU, Nagapattinam.**

19. The contractor should offer employment to ex-toddy tappers as far as possible. The number of ex-toddy tappers to whom he can so offer employment should be mentioned in the tender and he should undertake in the contract to offer such employment to such number.
20. The contractor shall comply with the provisions of the Apprentices, Act 1961 and the rules and orders issued there under from time to time. If he fails to do so, his failure will be breach of contract and the competent authority, may at his discretion, cancel the contract, or invoke any of the penalties for the breach of contract provided in the conditions of the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provision of the Act.
21. All rates quoted in the tender shall be inclusive of sales tax payable under the General sales tax act as amended from time to time (including amendment, Act 28/84) and that the contractor is responsible to file the sales tax return and pay the amount as amended by the C.T. Department. No request for payment of sales tax separately in addition to tendered rates due to any plea of subsequent levy increase in tax will be entertained vide clause 38 (2) of General contains to contract.
22. The contractor should possess valid EB/EA License issued by Tamilnadu State Electrical Licensing Board, Guindy, Chennai-32

TENDER**To****The Estate Officer i/c,****TNJFU, Nagapattinam - 2.**

Sir,

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

as shown in the drawings and described in the specification deposited in the office of the **Estate Officer**, Tamilnadu Fisheries University, Nagapattinam-1 with such variations by way of alternations or additions to and omission from the said works and method of payment as are provided for in the "Conditions of contract" for the sum of Rupees or such sums as may be arrived at under the clause of the "General conditions to the contract" relating to payment on lumpsum basis or by final measurements at unit prices.

2 (i). I/We have also completed the price list of items in Schedule "A" annexed (in words and figures) for which I/We agree to execute the works and receive payment on measured quantities as per the General conditions to the contract.

3. I/We do 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 Tamilnadu Building Practice and the General conditions to the contract therein and the Tamilnadu Building practice addenda volume and I/We have made such examinations of the contract documents and of the plans, specifications, quantities and of the location where the said work is to be done and such investigation the work required to be done and in regard to the materials required to be furnished to enable me / us to thoroughly understand the intention of the same and the requirement covenants stipulations and restrictions contained in the contract and in the said plans and specifications and distinctly agree that I/ We will not hereafter make any claim or demand upon TNFU based upon or arising misunderstandings or misconception of mistake or my / our part of the said requirements and covenants, stipulations restrictions and conditions.

4. I/We enclose an income tax verification certificate. I / We being registered Public Works Department contractor. The legal address of the contractor for service of all letters and notices will be as follows

5 (i). (a) I / We enclose herewith for the payment of the sum of Rs..... as Earnest money not to bear interest.

5 (i). (b) I am / We are and hence exempted from payment of E.M.D.

5 (i) (c) If my / our tender is not accepted this sum shall be returned to me / us on my / our application, when intimation sent to me / us of rejection or at the expiration of ninety days from date of this tender whichever is earlier. If my / our tender is accepted, the EMD shall be retained by TNFU as security for the due fulfilment of the contract. If upon written intimation being given to me / us by the authority authorized by TNFU. (Here in after called "the accepting authority") of acceptance of tender. I / we fail to make the additional security deposit then I/We agree to the forfeiture of the EMD.

Contractor**The Estate Officer i/c,
TNJFU, Nagapattinam.**

Any notice required to be 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.

7. I / We fully understand that on receipt of communication of acceptance of tender from the accepting authority there emerges a valid contract, between me / us and TNFU and Tender documents (i.e.) tender notice tender with schedule, general condition to the contractor, and special condition of the tender, negotiation letter communication of acceptance of tender shall constitute the contract for this purpose and be the foundation of rights of both the parties as defined in, clause V of tender notice, provided that it shall be open to the accepting authority to insist on execution any written agreement by the tenderer. If administratively considered necessary or expedient.

8. I / We have also signed the copy of Tamilnadu Building Practice and addenda volume there to maintained in the office of the **Estate Officer**, Tamilnadu Fisheries University, Nagapattinam-1 in acknowledgement of being bound by all conditions of the clauses of the General conditions to be contract and all specifications for items of works described by the specification number in Schedule (A).

9. In consideration of the payment of Rs..... or such other sum as may be arrived at under the clause of the General conditions to the contract relating to the payment on lumpsum basis or by final measurements at unit prices, I/We agree subject to the said condition to execute and complete the works shown upon the said drawing serially number from 1 to inclusive of (schedule B) and described in the specifications (Schedule C) and to the extent of probable quantities shown in (Schedule A) with such variation by way of additions to or deductions from / alternations, the said works and method of payment therefore as are provided for in the said conditions.

10. The term **Estate Officer** in the said condition shall mean the officer in charge of the Division having jurisdiction for the time being over the work, who shall be competent to exercise all the powers and privileges reserved, herein, in favour of TNFU with the previous sanction of or subject to ratification by the competent authorities in case, where such sanction or ratification may be necessary.

11. I / We agree that the time shall be considered as the "Essence of this contract" and to commence the work as soon as this contract is accepted by the competent authority as defined by the Tamilnadu PWD code and the site or premises is handed over to me / us as provided for in the said condition and agree to complete the work **within 9 Months** from the date of such handing over of the site or premises and to show progress as defined in the tabular statement. "Rate of progress" subject nevertheless to the provision for extension of time contained in clause 56 of the General conditions to the contract appended to the Tamilnadu Building Practice.

12. I / We agree that upon the terms and conditions of this contract being fulfilled and preformed to the satisfaction of the **Estate Officer**, the security deposited by me / us herein before executed of such portion thereof as I / We may be entitled to under the said conditions be paid back to me // us as provided in clause 64 of General conditions to the contract.

13. I / We in pursuance of clause of tender notice undertake to employ the following technical staffs for supervising the works and will see that one of them is always at site during working hours personally checking all items of works and paying extra attention to such works as may required special attention (e.g.) reinforced cement concrete works.

Contractor

**The Estate Officer i/c.,
TNJFU, Nagapattinam.**

Name of technical staffs proposed to employed	Qualification and Experience

14. I / We agree that the arbitrator for fulfilling the duties set forth in the arbitration clause of the General conditions to contract shall be the person appointed by The Vice- Chancellor, TNFU in his sole discretion.

Signature of the contractor

With full address with

Name in block letters and seal

Contractor

**The Estate Officer i/c.,
TNJFU, Nagapattinam.**

**GST REGISTRATION &
DEDUCTION OF TDS FROM BILLS**

The tenderers could be required to indicate their registration number under the Tamilnadu General GST Act 2018 in the tender form and produce TDS clearance certificate issued by the Commercial Tax department before final settlement of bills.

According to the notification issued by the Commissioner of GSTR Chennai with regard to "Deduction of GSTR at source in respect of works contract in the TAMILNADU GOVERNMENT GAZETTE CHENNAI, dated 17.10.2018, a new provision under 7F for deduction of tax at sources is introduced in the Tamilnadu GSTR Act 1959 by Tamilnadu Act 15 of 2018 with effect from 17.10.18.

Insurance for Men and Material:

Contractor has his own risk for the men and material used at site. He should made his own arrangement to insure for all risks till the handing over of the building.

Contractor

**The Estate Officer i/c.,
TNJFU, Nagapattinam.**

Part – B
Price Bid
Envelope – B
Date.....

Invitation for Bid No.05/E.O./Tender/2022-2023/Dated: 26.05.2022.

To:
 The Estate Officer i/c,
 Tamilnadu Dr.J.Jayalithaa
 Fisheries University,
 Nagapattinam District

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents.
- (b) We offer to execute in conformity with the Bidding Documents for the work of
- (c) The total price of our Bid, excluding any discounts offered in item(d)below is

“Construction of seed Quality Assessment Lab in the First floor of state Referral Laboratory Building at Madhavaram Campus, Chennai”.

In figures:-Rs...../-

(i) (ii)In Words:-

Rupees

- (d) The discounts offered are

(i) In figures:-

Rs...../-(ii)In

Words:-Rupees

- (e) **The net price of our bid, after discount offered in (d) above is**

(f)

(i) In figures:-Rs...../-

(ii)In Words:-Rupees.....only

- (g) Our Bid shall be valid for a period of **90days** from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
- (h) If our Bid is accepted, we commit to obtain a performance security in accordance with the Bidding Documents with the stipulated time.

Contractor

**The Estate Officer i/c.,
 TNJFU, Nagapattinam.**

SCHEDULE OF RATES AND APPROXIMATE QUANTITIES

- (a) The quantities given here are those upon which the lump sum tender cost of the work is based, but they are subject to alternations, omissions, deductions or addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit rates quoted below are those governing payment for extras or deductions or omissions according to the condition of the contract.
- (b) It is to be expressly understood that the measured work is to be taken net (Not withstanding any custom or practice to the contrary) according to the actual quantities. When in places and finished according to the drawings, or as may be ordered from time to time by the **Estate Officer** and the cost calculated by measurement or weight at the respective prices, without any additional charge for any necessary or contingent works concerned therewith. The rates quoted are for the finished works in situ and complete in every respect.
- (c) The descriptions given in Schedule are to indicate the item of work only and need not be constructed as full specification. The quoted rate shall be for carrying out the item as per standards and specifications described in the relevant MOST specification. The contractor shall take no advantage of any apparent error or omission in the Schedule description.
- (d) The Tenders should quote their rates for the quantity and units specified under metric units under Schedule.
- (e) The contractor should sign all the pages of schedule enclosed in the tender document without any omission. Otherwise, the tender will be liable for rejection as per the rules.

SCHEDULE

Name of the Work: Construction of seed Quality Assessment Lab in the First floor of state Referral Laboratory Building at Madhavaram Campus, Chennai.

a) The quantities given here are those upon which the lump sum tender cost of the work is based but they are subjected to alterations, omissions, deduction, addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit rates noted below are those governing payment for extra or deduction or omission according to the conditions of the contract as set forth in the preliminary specification of the Tamilnadu Detailed Standard Specifications, other Conditions or specifications of this contract.

b) It is to be expressly understood that the measured work is to be taken out (notwithstanding any custom or practice to the contrary) according to the actual quantities when in place and finished according to the drawing or as may be ordered from time to time by the **Estate Officer** and cost calculated by measurement or weight at the respective prices, without any additional charge for the necessary or contingent works connected therewith. The rates quoted are for works in site and complete in every respect.

Sl. No	QTY	DESCRIPTION OF WORK	UNIT	RATE	RATE IN WORDS	AMOUNT
1		Breaking and demolishing the existing Concrete wall, Flooring, roof of a structure obstructed inside the foundation or open for requirement as per the instruction of engineer in charge. The works involved to demolish and remove the rubbish take away from the site and dump it away to the recommended area that govt insisted. The rates inclusive of all machineries, labour, leading, lifting and transport charges.				
a.	11.30	Demolishing the existing Parapet wall (Brick work masonry under 3M height)	Cu.m			

b.	5.20	Demolishing the R.C.C	Cu.m			
c.	162.50	Demolishing the existing Grano Floor	Sq.m			
2	7.00	Earthwork excavation for foundation (for narrow excavation) to full depth as per designed in all soils and sub soils except soft disintegrated rock not requiring blasting and hard rock requiring blasting and bailing water wherever necessary. Refilling the sides of foundation with excavated earth other than sand in layers of well rammed and compacted and depositing the surplus earth in places shown by the departmental officers with an initial lead of 10m and initial lift of 2m and clearing and levelling the site etc. complete complying with standard specification.	Cu.m			
3	2.00	Supplying and filling in foundations and basement with filling M.sand in layers not exceeding 15 cm.thick,well watered, rammed and consolidated etc. complete complying with standard specifications.	Cu.m			
4	2.00	Plain Cement Concrete 1 : 4 :8 (one part of cement, four parts of sand and eight parts of hard broken stone) using 40 mm gauge hand broken hard broken granite stone jelly complying with standard specifications in foundations and basement.	Cu.m			
5	5.20	Refilling the approved good quality earth in plinths, area development etc. wherever specified in layers of not exceeding 200 mm thick., with available earth at site.	Cu.m			

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6	43.00	Supplying and filling of gravel transported from the out side including consolidation, levelling specified in layers of not exceeding 200 mm thick., etc. complete.	Cu.m			
7		Supplying, Erecting and centring for sides and soffits including supports and strutting up to 3.30 m height with all cross bracing for plane surfaces as detailed below, using mild steel sheets of 90 X 60 cm 10 gauge stiffened with MS angle of 25 x 25 x 3mm for boarding, laid over adjustable span & jacks and supported by 50mm dia pipes for general pipes scaffolding systems @ a spacing of 1.20m c/c and vertical connected at a height of 2.0m c/c including 'C' & 'U' clamps and base receiver cup at bottom for connecting pipes etc and removable systems etc complete				
a.	1.25	Footing	Sq.m			
b.	295.00	Plain surfaces such as roof slab, floor slab, beams, lintels , loft, sill slab, staircase waist , portico slab and other similar works.	Sq.m			
c.	82.50	Square and rectangular columns and small quantities such as sunshades, parapet cum drops, window boxing ,fin projections and other similar works.	Sq.m			
8		Supplying and placing of Ready Mix M25 grade with OPC 53 Grade of Concrete confirming to IS 456/2000 for Reinforcement Cement Concrete Structural elements under controlled water cement ratio using 20mm and down graded machine broken granite stone jelly including transportation and pumping excluding cost of centring and				

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		shuttering and reinforcement but including curing, finishing etc as directed by departmental officers				
a	1.26	Foundation Basement	Cu.m			
c	44.40	First floor	Cu.m			
d	2.70	Terrace floor	Cu.m			
9	6.29	Supply, fabrication and placing of reinforcement steel of high yield strength ribbed bars of various diameters and grade conforming to IS 1786 for reinforced concrete work. The work includes de-coiling, straightening, cutting, bending, fabricating, and placing in position, at all levels including lead and lift, according to drawings, specifications etc. complete and supply & use of 18G black annealed binding wire double fold to tie the bars in position, chairs, pins, spacer bars unauthorised laps which will not be measured separately neither for payment nor for reconciliation and providing precast cement/ PVC cover blocks for main reinforcement to ensure specified cover, and Steel rod Painting one coat of Anti corrosive Zinchromite primer paint all fully covered with paint in steel rod complete. including all labour charges etc as directed by departmental officers.	MT			

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10		Providing and constructing 230 mm thick brick walls in CM 1:5 (one part of Cement, five parts of River sand) using IInd class Table moulded, Chamber burnt, Stock Bricks of size 9" x 4 3/8 " x 2 3/4" including curing, scaffolding ,materials, labours, tools & plant etc. complete.				
a	7.50	Foundation and basement	Cu.m			
b	37.00	First floor	Cu.m			
c	8.25	Terrace floor	Cu.m			
11	47.00	Providing and constructing 115mm thick brick masonry in cement mortar 1:3 for partition walls using well burnt best quality bricks including supplying and laying 1 No 6mm dia MS bars at every fourth layer including scaffolding curing cost of reinforcement etc. all complete as per specifications and drawings as directed by the Engineer in-charge. (First floor)	Sq.m			
12	236.00	Providing and applying 10 mm thick Cement plaster in Cement mortar 1:3 (One part of Cement and Three parts of Sand), to finishing the exposed surfaces of R.C.C. items of works such as Roof (or) floor slabs, beams, and Sun shades etc.to correct plane and level including scaffolding, hacking of surface, chiselling the undulated surface wherever necessary and curing etc., all materials and labour complete in all respects including all lead, lift and	Sq.m			

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		descent and as directed by the Engineer in charge. This rate includes the cost of providing Cement Mortar beadings for sun shades, steps, landing slabs, elevation etc. complete complying with standard specifications.				
13	580.00	Providing & applying 12 mm thick cement plaster in CM 1:5 (1 part of cement: 5 parts of sand) to walls internally in single coat at all levels to correct line and level including chicken wire mesh at all joints of brick and concrete surfaces with minimum overlap of 150 mm in all directions, scaffolding, rounding off or hampering of corners, offsets, fin/ bands, projections, etc. and cleaning of surface, raking out joints, roughening of surface, chiselling the undulated surface wherever necessary and curing, etc., all materials and labour complete in all respects including all lead, lift and descent and as directed.	Sq.m			
14	160.00	Flooring with designed Vitrified tiles (colour and shade as directed) of size 600 mm x 600mm x 8mm in all floors and skirting over a base layer of cement mortar 1:3 (one cement and three sand) 20mm thick laid in-situ and pointed with same coloured cement etc., complete.	Sq.m			
15	13.00	Supplying, laying and fixing in position Anti-skid ceramic tiles of size 305 x 305 x 6mm of approved quality and colour set k in CM 1:3 - 20 mm thk. Including cutting the tiles to the required size with special cutter where ever necessary and pointing the joints with coloured cement using 0.40 Kg / Sqm including finishing the flooring and pointing the joints flesh with tile surface etc. complete.	Sq.m			
16	16.00	Dadoing the walls with designed colour glazed tiles approved size 300 x 450 x 8mm of approved quality and colour set in CM 1 : 2 - 10 mm thk. And pointed with suitable cement including finishing the joint and pointing	Sq.m			

Contractor

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		flesh with walls and tile surface in all floors at the rate of 0.40 Kg /Sqm etc. complete.				
17	29.00	Supply and fixing of polished granite slab ,18/20 mm thick (average), for flooring including fixing in position cutting , chipping the wall, masonry touch up works etc., complete in all respects for all floors as directed by the departmental officers.	Sq.m			
18	621.00	Providing, fabricating and fixing M.S. grills Windows, and ventilator, gates, ladders, rail pipes, nosing angles, with M.S.lugs in staircase steps etc., made out of M.S rods, flats, angles, pipes, channels etc. including necessary fixtures complete as per drawings and specifications and as directed by the Engineer.	Kg			
19. a	0.40	Fabricating, supplying and fixing in position UPVC for ventilators of approved colour with standard profiles as per drawings and specifications and as directed by the Engineer in charge. The glass panel should be 6 mm uniform thk. toughened glass of approved colour St. Gobain ST736 or Equivalent. The windows to be made of extruded tropical profiles of different sizes and shapes with reinforcements with in. The profiles can be inward or outward opening casement profiles, 2 and 3 track sliding windows in designs such as tilt-n-turn, sliding, inside opening, outside opening, vertical sliding or patio folding .	Sq.m			
b.	25.00	Fabricating, supplying and fixing in position UPVC for windows of approved colour with standard profiles as per drawings and specifications and as directed by the Engineer in charge. The glass panel should be 6 mm uniform thk. toughened glass of approved colour St.Gobain ST736 or Equivalent. The windows to be made of extruded tropical profiles of different sizes and shapes				

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		with reinforcements with in. The profiles can be inward or outward opening casement profiles, 2 and 3 track sliding windows in designs such as tilt-n-turn, sliding, inside opening, outside opening, vertical sliding or patio folding .				
20	3.20	Solid PVC door shutters Toilet door using 19 Gauge 19mm MS square tubes for styles and outer frames. 15mm MS square tubes for top, lock and bottom rails. The steel tubes shall be covered with 5mm thick solid PVC sheets. Shutter using 5mm thick solid PVC sheets for panelling shall rigidly fixed in position including necessary furniture and fittings. The over all size of styles shall be 50mm x 30mm. The over all size of top rail, Lock rail and bottom rail shall be 75mm x 30mm. The over all size of frames shall be 50mm x 45mm, with suitable rebate for housing the shutter.	Sq.m			
21	0.11	Door Frame: Supplying and fixing first quality teak wood frames for doors, windows, ventilators and other similar joinery works with the following sizes and sections including labour charges for wrought and put up in position and also for fixing hold fast in frames and masonry etc. complete in all floors.	Cu.m			
22	5.05	Supply & Fixing of 35mm thk. single leaf high density interior grade marine plywood shutters pasted both sides 1.5mm thk. laminate approved design with 35x12mm T.W.lipping on all edges with necessary adhesives and CP screws complying with standard specification. The cost is inclusive of 1 no cylindrical Lock, Handel, tower bolt ,approved equivalent make SS ball bearing hinges of equivalent make of approved make,2 no floor mounted SS door stoper etc., complete as per drawing. Make: Kutty,	Sq.m			

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		Sharon, Trojan. Accessorise Make: Dorma, Godrej.1.5mm thk.				
23	1.50	Toilet Sunken using broken brick jelly 20 mm gauge The proportion of broken brick jelly to slaked lime being 1:3:6 (1part cement,3 part fine aggregate & 6 part broken brick jelly), well beaten by wooden beaters for giving required slope and thickness required etc complete complying with standard specifications and as directed by Departmental Officers.	Cu.m			
24	18.00	Painting two coats of synthetic Enamel paint of approved colour and make over one coat of existing anti-corrosive Zinchromite primer over new 25steel work, suitably prepared for receiving the paint by surface scraping, rubbing applying filler etc. including cost of filler, primer, paint all complete as per drawings and specifications.	Sq.m			
25	236.00	Providing and applying plastic Emulsion paint finish of approved make & shade in two or more coats over a coat of approved primer to give an even shade as per manufacturer's instruction to the plastered surfaces and internal ceiling plastered surfaces including preparation of surfaces, scaffolding etc. all complete as per drawings and specification for all heights.	Sq.m			
26	375.00	Providing and applying plastic Emulsion paint finish of approved make & shade in two coats over a coat of approved primer and 2 coats of putty to give an even shade as per manufacturer's instruction to the internal plastered surfaces including preparation of surfaces, scaffolding etc. all complete as per drawings and specification for all heights.	Sq.m			

Contractor

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27	203.00	Supplying and painting the walls with one coat of wall primer and two coats of Exterior emulsion (apex or equivalent) as instructed by the departmental officers including preparation of surface curing, etc., complete in all floors complying with standard specifications (The colour and shade of the cement paint shall be got approved by the Executive Engineer before use of work).	Sq.m			
28	26.50	Weathering Course Concrete using best quality broken brick jelly of 20 mm uniform gauge in pure slaked lime (NO Sand to be used (over the RCC roof slab in the proportion of brick jelly to lime being 32 : 121/2 by volume laid over in single layer and consolidated to the required slope and finished thickness and beating the concrete with wooden beaters of approved pattern, keeping the surface constantly wet by sprinkling lime, jaggery water etc. complete complying with standard specifications and as directed	Cu.m			
29	366.00	Finishing the top of roof with one course of machine pressed tiles of size 230mm x 230mm x 20mm of approved quality set in Cement Mortar 1:3 (One Cement and Three Sand) 12mm thick mixed with water proofing compound conforming to ISS at 2% by weight of cement used and the joints pointed neatly to full depth of tiles with the same cement mortar mixed with red oxide and water proofing compound including curing etc., complete complying with standard specification and as directed by the departmental officers.	sq.m			
30	37.00	Providing protective over the water proofing treatment provided over base concrete, RCC retaining wall, sunken slab and terrace in CM 1:4 to a minimum thickness of 12mm with suitable admixture.	Sq.m			

Contractor

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31	48.50	Fabricating, Supplying and fixing in position of Aluminium anodised natural colour matt finish 1/3rd fixed glazing 2/3rd prelaminated board of Aluminium partition of size 2.70 m x 2.10 m. The outer frames Outer frame: 63.50x38x3mm@ 1.72 kg/m, Centre mullions: 63.50x38x3mm@ 1.55 kg/m, Alu. Clips: 17.27x17.15x1.50mm @ 0.175kg/mg/m for intermediate vertical mullion 90cm c/c. Horizontal mullion at 1.00m 2.10m covered with 4 mm thick plain glass with necessary aluminium clips of size 17.27x17.15 x1.50mm @ 0.176kg/m and with required rubber beading etc., including necessary dismantling holes in RCC column, masonry wherever in necessary with power drills to the extent required and made good the damaged portion in good condition after fixing as directed by the departmental officers. All the aluminium sections should be anodised not less than 15 microns as ISI specification 1868/1962 / and should be got approved by Estate Officer before use.	Sq.m			
32	18.00	Supplying, fabricating and fixing in position of Aluminium anodised natural colour matt finish of double leaves door with half panelled with 12mm thick both side prelaminated particle board at bottom and half glazed using 5.50mm thick Plain glass at top. The outer frame shall be with aluminium box section 101.60x44.45x3.18m at 2.319kg/m and Shutter frame made of section-Vertical & Top rail: 50x44.45x2.50mm @ 1.292 kg/m and Bottom rail : 100 x 44.45 x 2.50mm @ 1.974 kg /m , Lock rail : 50x44.45x2.5mm @ 1.292 kg/m, Alu. Clips: 17.15x17.27x1.50mm @ 0.176 kg/m Alu. Handle: 100x30mm @ 0.988 kg/m and necessary accessories such as aluminium clips, rubber beading, PVC felt, handle for a length of shutter (both sides), locking arrangements,	Sq.m			

Contractor

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		furniture fittings such as aluminium tower bolts- 250x12mm - 2 Nos., aluminium tower bolt 200x12mm - 1No., aluminium Hydraulic door closer - 2Nos ., lock- 1No., Door stopper with rubber bush including cost of materials, labour charges and power consumption charges required for fabrication including chipping, dismantling and making hole to the required extent in RCC column, beam masonry with power drill wherever necessary and redoing the damaged portion to the original condition after fixing etc. complete. All the Alu. sections are to be anodised with matt finish under electrically controlled condition in accordance with IS 1868/1962 for an average anodic film thickness of 15 microns etc., complete. Aluminium sections, and furniture fittings shall be got approved by the Estate Officer incharge.				
33	42.00	Providing and laying spreading and compacting graded stone aggregate to Wet Mix Macadam (WMM) specification including premixing the material with water at OMC in mechanical mix plant carriage of mixed material by tipper to site laying in uniform layers 150mm thick	Cu.m			
34	166.00	Supplying and laying of 63mm thick interlocking rubberised m40 grade paver block over the M.sand cushion of 75 mm thick and top to be levelled well by machineries as directed by departmental officers etc. complete	Sq.m			
		Plumbing				
35	2.00	Supplying and fixing of Indus floor mounted white colour European water closet Parryware or equivalent, with seat cover and dual flush (3 & 6 lit) cistern having P trap with seat cover, supplying non corrosive hinges, CP bolts, nuts, washers, providing and fixing dash anchor fasteners with	Each			

Contractor

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		bolts / L - brackets with anticorrosive paint cutting grooves in masonry or concrete surfaces, grouting with cement concrete 1:2:4 mix, using 20mm size stone jelly, restoring the damaged portion to their original condition using required materials, fixing the water closet to perfect level, alignment, testing etc. complete.				
36	2.00	Supply & Fixing of two in one CP Health Faucet of the closet mounting type with hose connected two way BIB COCK complete fittings. (Make: Parryware or equivalent)	Each			
37	2.00	Supplying & fixing of Coat hook with brackets including fixing over Wall tile dado / door shutter using suitable size non-corrosive screw nails etc. complete.(Make: Parryware or equivalent)	Each			
38	4.00	Providing and keeping in stores, shifting to the place of installation, fixing, testing and commissioning of WHITE coloured vitreous China under counter Regular rectangular wash basin with brackets / G.I. rag bolts and nuts painted, 32mm dia brass C.P. waste coupling, (heavy) 32mm dia brass C.P. bottle trap, 15mm dia brass C.P. Angle stop cock with flange, 15mm dia brass C.P. cold water connecting pipe, etc., The work shall include, required extension nipples, cutting / chasing and making good the walls and floors - toilets.	Each			
39	6.00	Supplying & fixing of Angle valve stopcock with connecting hose and wall flange. (Make: Parryware or equivalent) - 15mmdia	Each			
40	2.00	Supplying and fixing approved best quality brass CP towel rail 600mm long and 20mm dia with brackets of same materials including cost of teak wood plugs and CP screws, etc., complete complying with standard specifications.	Each			

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		(The tower rail should be got approved by Executive Engineer before use on works).				
41	2.00	Supplying and fixing in position Indian make bevelled edge mirror of approved quality and brand PVC / Fibre Glass framed 600 x 450 x 5.5mm thick mirror, shelf type with hard board backing of approved colour fixed with brass screws, rawl plug, etc., complete complying with standard specification. (The mirror should be got approved by the Executive Engineer before use on works).	Each			
42		Supplying and fixing in position best quality PVC soil / waste pipes of various dia having 6 kg / sq.cm. pressure BIS mark and providing leak proof joints using PVC adhesives including fixing to the wall with special PVC / MS clamp, teak wood plugs, brass screws, etc., and making connection to all sanitary fittings, dismantling masonry / RCC works wherever found necessary and making the good dismantled portion to the original condition, including testing for any leakages, etc., complete complying with standard specifications.(The PVC pipes should be got approved by the Executive Engineer before use on works). The rate for earth work excavation will be measured and paid separately in the cases where the pipe lines are proposed to laid below ground level.				
a	4.50	40mm dia. 6kg class PVC pipes.	Rmt			
b	12.00	50mm dia. 6kg class PVC pipes.	Rmt			

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c	28.00	75mm dia. 6kg class pipes.	Rmt			
d	34.00	110mm dia. 6kg class pipes.	Rmt			
43	3.00	Supplying and fixing in position PVC Nahini /Floor Trap with PVC Grating type of size 100x75/75x50 mm with best quality gratings of approved brand fixed over a bed of brick jelly lime concrete 1:2:5(One lime two sand and five aggregate) brick jelly 40mm and finishing with CM 1:3(One cement and three sand)wherever found necessary and making good to the original condition and giving connections to the PVC pipes etc., complete complying with standard specification and as directed by the Departmental Officer.	Each			
44		Supply and fixing in position best quality PVC IS 4985 - CLASS-II - 4 Kg/Sqcm -Rain water pipes of various size having ISI mark and providing leak proof joints with such as Bend, Tee Junction, door etc., of approved quality including fixing to the wall with special PVC /MS clamps, etc., and making connection to all sanitary fittings, wherever necessary and making chipping good to the original condition, complying with standard specification etc., complete.				
a	20.00	110mm dia. 4kg class pipes. (two floors)	Rmt			
45		Supplying and fixing in position of the following dia PVC rain water gratings for rain water pipes, of approved				

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		quality and variety of various size confirming to ISS and including necessary cutting and fixing and giving connection to PVC pipes etc., complete complying with standard specification and as directed by the Departmental Officer				
a	2.00	100mm x 75mm	Nos			
46		Supplying and fixing in position of the following dia PVC specials such as PVC vent Cowl etc., of approved quality and variety of various size confirming to ISS amend providing leak proof joint etc., including necessary cutting and fixing and giving connection to PVC pipes etc., complete complying with standard specification and as directed by the Departmental Officer				
a	2.00	75mm dia	Nos			
b	2.00	110mm dia	Nos			
47	2.00	Supply, laying and erection of glazed stone ware gully trap (100 x 75 mm) with 100 mm dia, outlet including embedding trap in cement concrete 1:3:6 and constructing chamber of size 300 x 300 mm inside clear in brick masonry 230 mm thick, plaster with water proof cement mortar (1:3) 15 mm thick on both internal and external surfaces inside finished with floating coat of neat cement. The work including excavation to required depth of gully trap and refilling and making good in the surface with	Each			

Contractor

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		Providing and fixing SFRC frame and cover 400 x 400 mm (clear opening) complete complying with std. specification.				
48	3.00	Supplying and Erection and construction of sewer chambers of required internal dimensions 600 x 600 upto 0.6 mtr. depth with 230mm brick masonry in C.M.1:5 thk of masonry over bed of 1:2:4 R.C.C. 200 mm thk above 100 mm thk P.C.C.1;3:6 Cement concrete foundations over sand bed of 100mm thk channelling in 1;2:4 cement concrete, plastering in 1:3 cement mortar for internal and external surface finished with floating coat of neat cement, the work including excavation for required depth of gully trap and refilling and making good in the surface with SFRC cover and frame 600x600mm (clear opening)complete complying with standard specifications etc.,	Each			
49	2.00	Construction of rain water recharge well of 1200mm dia and depth upto 1500mm, in addition 110 dia special blue slotted pipe for bore well. pipe should be laid from bottom of ring well centre to below 1500mm as shown in the drawings, including all types of excavation, occur for pipe, filling of rain water harvesting materials with construction of R.C.C. ring and top 100mm RCC SLAB WITH 450X450mm perforated SFRC manhole and 230mm brick wall in 2'height with below 300mm lengthx100mm thk P.C.C. as per the structural filling the filter media as per drawing.	Each			
50		Providing, supplying & laying of Chlorinated Poly Vinyl Chloride (CPVC-SDR-11) Pipes conforming to IS 15778 having thermal stability cold water with brass and CPVC fittings like Elbow, Brass Tee, Brass Elbow, Offsets, Tee with clamps @1.00 meters spacing, with jointing of pipes				

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		with one step CPVC solvent cement with including cutting of chase including testing of the joints complete and making good the walls etc. Rate is inclusive of all material labour, transportation, tools & tackles taxes, levies VAT etc all complete as per as per specifications, Concealed work including chase cutting) complete complying with standard specification and as directed by the Departmental Officer.				
a	15.00	20 mm nominal (OD) pipes	M			
b	20.00	25 mm nominal (OD) pipes	M			
51		Providing, supplying & laying of Chlorinated Poly Vinyl Chloride (CPVC-SDR-11) Pipes conforming to IS 15778 having thermal stability cold water with brass and CPVC fittings like Elbow, Brass Tee, Brass Elbow, Offsets, Tee with clamps @1.00 meters spacing, with jointing of pipes with one step CPVC solvent cement with including cutting of chase including testing of the joints complete and making good the walls etc. Rate is inclusive of all material labour, transportation, tools & tackles taxes, levies VAT etc all complete as per as per specifications, Exposed work including chase cutting, bracket fixing)complete complying with standard specification and as directed by the Departmental Officer.				
a	26.00	32mm nominal(OD) pipes	M			

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52		Providing, supplying & laying of Gunmetal type NRV - pressure rating less than 16 Kg/Sqcm and IS778 with 2 Nos of MTA with jointing material like shellac, thread including testing of the joints complete and making good the walls etc. Rate is inclusive of all material labour, transportation, tools & tackles taxes, levies VAT etc all complete as per as per specifications, complete complying with standard specification and as directed by the Departmental Officer.				
a	2.00	25mm DIA	Each			
b	2.00	32mm DIA	Each			
53	2.00	Supplying & Fixing of S.S Sink with out Drain board with necessary fittings etc.,	Each			
54	2.00	Supplying & Fixing of Swan neck Tap with necessary fittings etc.,	Each			
55	2000.00	Supplying PVC Water tank with necessary fittings etc.,	litres			

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		Electrical items				
56	20.00	Supply and laying of 3 ½ x 25 Sqmm PVC armoured LTUG cable in a trench to be excavated at a depth of 0.75 meter putting 0.15 meter layer of sand and covering the cable completely with bricks and sand and refilling the earth to make good .	mtr			
57	4.00	Supply and fixing of brass cable gland for 3 1/2 x 25 Sqmm PVC armoured LTUG cable with earth connection.	each			
58	4.00	Supply and providing cable end termination of 3 1/2 x 25 sqmm PVC LTUG Aluminium armoured cable with necessary aluminium cable sockets by crimping etc. with electrical connection complete.	each			
59	1.00	Earthing as per ISI specification with an earth electrode of 2.1mtr class 'B' GI pipe of dia not less than 40mm with copper earth plate of size 125mm x 50mmx6mm with necessary funnelling arrangement with necessary masonry work with 38 mm RCC cover slab for brick masonry works.	each			
60	25.00	Supply and run of 2 of No.8 SWG G.I wire for guarding with Gradle with No.8 SWG G.I wire at the equal interval of 1.5 Meter.	mtr			
61	1.00	Supply and fixing of triple pole and neutral 12 way 7 segments MCB distribution board complete with the following and necessary neutral link, earth connector link etc. with bus bar and double door arrangements on surface / in flush with wall and making good of the concealed portion with earth connection Incoming: 1 No. 63A 10KA 4 pole MCB -1 NO. 3 nos of 63A/100mA DP RCCB Outgoing: 36 Nos. 6/10A 10KA SP MCB FOR LDB	each			

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62	1.00	Supply and fixing of 4 way vertical TPMCB sheet steel distribution boards flush type / surface type fitted with bus bars and neutral links with single / three phase MCB outgoing and separate 4 way provision for accommodating one no.4 pole incoming MCB/ isolator and another separate 4 way provision for accommodating one no.4 pole ELCB / RCD with label holder and provision for taking up cable for size no less than 35sq.mm (TPMCB DB with metal Door cover with IP42 protection) Incoming: 1No.63A 10KVA 4 pole MCB - 1No. Outgoing: 6Nos of 6/10A 10KVA SP MCB, 2 Nos of 32A 10KA TP MCB, for VDB.	each			
63	25.00	Supply and run of 4 of 16 (101/0.45) sqmm & 2 of 6 (84/0.3) PVC insulated SC Multistrand copper cable of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire and making good of the concealed portion with suitable colour POWER DB.	mtr			
64	25.00	Supply and run of 4 of 10(140/0.0.3) Sqmm & 2 of 4 (56/0.3) PVC insulated SC Multistrand copper cable of 1100V grade in suitable PVC rigid pipe concealed in Wall and ceiling with continuous earth wire and making good of the concealed portion with suitable colour LIGHTING DB	mtr			
65	200.00	Supply Wiring, run Connecting, Testing & Commissioning of 2 of 6 sq.mm PVC Insulated SC Unsheathed CU. Conductor of 1100V Grade in Suitable PVC Rigid Pipe Concealed in Wall and Ceiling With Continuous Earth Wire Connection of 2.5 Sq.mm PVC insulated Sc CU. Conductor and making Good of the Concealed Portions With Suitable Colour. (split AC unit point wiring-2TR UNIT)	mtr			

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66	375.00	Supply Wiring, run Connecting, Testing & Commissioning of 2 of 4 sq.mm PVC Insulated SC Unsheathed CU. Conductor of 1100V Grade in Suitable PVC Rigid Pipe Concealed in Wall and Ceiling With Continuous Earth Wire Connection of 2.5 Sq.mm PVC insulated Sc CU. Conductor and making Good of the Concealed Portions With Suitable Colour. (Raw power 6 / 16Amps Socket & Split Ac unit Point Wiring 1.5/1.0TR UNIT.)	mtr			
67	250.00	Supply Wiring, run Connecting, Testing & Supply and Run of 3 of 2.5(36/0.3) sq.mm PVC Insulated SC Unsheathed CU. Conductor of 1100V Grade in Suitable PVC Rigid Pipe On Wall and Ceiling With Continuous Earth Wire Connection Wire With Painting For Suitable Colour. (Light Point Mains Wiring , Raw power 6 / 16Amps Socket Wiring)	mtr			
68	40.00	Wiring, Connecting, Testing & Commissioning with 3 X 1.5sqmm PVC insulated single core unsheathed copper conductor cable of 1100 V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories, including supply and fixing of modular 6A one way switch along with moulded front plate in G.I anodised manufacturer's mounting box fixed flush with the wall complete with all accessories as required for Light Points. (Length of the points will be 5 to 8 mts.) -LIGHT POINT	point			
69	15.00	Wiring, Connecting, Testing & Commissioning with 3 X 1.5sqmm PVC insulated single core unsheathed copper conductor cable of 1100 V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories, including supply and fixing of modular 6A one way switch, one step type fan regulator along with moulded front plate in G.I anodised manufacturer's mounting box	point			

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		fixed flush with the wall complete with all accessories as required for Fan Points.(Length of the points will be 5 to 8 mts.) -				
70	8.00	Supply and fixing of 6Amps 3 pin and 2 pin combined modular type switch concealed in manufacturer's GI mounting box in flush with wall.	each			
71	10.00	Supply and fixing of 3x6Amps 3pin and 2 pin combined modular type switch and Socket concealed in manufacturer's GI mounting box in flush with wall earth connection. (for Computer Plug Socket)-	each			
72	24.00	Supply and fixing of 5A / 15A 3pin combined flush type wall socket with 15A flush type switch concealed in suitable MS box in flush with wall with painting .SD 137	each			
73	6.00	Supply and fixing of 25 A 3pin & 2 pin combined flush type wall socket with moulded front plate in G.I anodised manufacturer's mounting box fixed flush with the wall complete with all accessories as required as per the site condition.	each			
74	6.00	Supply and fixing of flush type of 25A DP modular type switch with Indicator concealed in switch with moulded front plate in G.I anodised manufacturer's mounting box fixed flush with the wall complete with all accessories as required as per the site condition.	each			
75	25.00	Supply and fixing of 4'- 36 W fluorescent fitting complete with electronic ballast with TW round blocks on wall or ceiling with flu tube with PVC unsheathed copper leads from terminals to the fittings (make: Philips / Crompton / wipro /elenserve)	each			

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76	15.00	Supply and fixing of 1400 mm (56") AC ceiling fan complete with regulator and 300mm down rod on the existing fan clamp.	each			
77	2.00	Supply and fixing of 300 mm (12") sweep (Light duty) AC Exhaust fan complete without provision of hole in the wall.	each			

Contractor

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