

TECHNICAL BID

Name of work: Construction of Shed & wash room along with soak pit & septic tank in developing field at NIPGR Campus, New Delhi.

CLIENT:

DIRECTOR NIPGR,
NEW DELHI

J
24/11

TENDER DOCUMENT

Name of work : Construction of Shed & wash room along with soak pit & septic tank in developing field at NIPGR Campus, New Delhi.

CLIENT:

**DIRECTOR NIPGR,
NEW DELHI**

COST OF TENDER DOCUMENT:- Rs. 500/-

TENDER DOCUMENTS

Name of work: Construction of Shed & wash room along with soak pit & septic tank in developing field at NIPGR Campus, New Delhi.

Owner : Director, NIPGR Campus, New Delhi

Tender issued to : _____

Place opening of tender document: NIPGR Campus,
Aruna Asaf Ali Marg,
New Delhi-110067

Consultant Engineer
NIPGR Campus,
New Delhi

Last date & time for sale of tender documents: 14.12.2018 before 1500 hrs.

Date & time of submission of tender documents: 17.12.2018 up to 1500 hrs.

Date & Time of Opening of Tenders: 18.12.2018 at 1500 hrs.

Consultant Engineer
NIPGR Campus,
New Delhi.

TENDER FORM

To

The Director
NIPGR CAMPUS,
New Delhi.

Dear Sir,

I/We have read and examined the following Tender Documents relating to the **"Name of work: Construction of Shed & wash room along with soak pit & septic tank in developing field at NIPGR Campus, New Delhi.**

Tender Form

- Tender Notice
- General Conditions
- Instructions to Bidders
- General Information
- Memorandum
- Schedule of Quantities
- General Conditions of Contract Agreement
- Special terms & conditions of contract
- General site rules, procedures and precautions.
- Schedule of Quantity (Not to be filled)
- Instructions for Online Bid Submission
- Terms & Conditions
- Drawings
- Annexure – I, II & III.

I/We hereby offer to execute the work complete in all respects specified in the under written Memorandum within the time specified therein or during the allowed extended time at the rates specified in the bill of Quantities and in accordance, with the specifications, designs, drawings and instructions in writing referred to in the conditions of tender.

(Seal & Signature of Contractor)

NATIONAL INSTITUTE OF PLANT GENOME RESEARCH

Aruna Asaf Ali Marg, Near ICSSR, New Delhi – 110 067

Phone: 26735161 / 26735138 Fax: 26716658

F. No. NIPGR/Engg./7/5(2)/2018-19

Dated: 22.11.2018

TENDER NOTICE

Online tenders (in two bid system) are invited on behalf of the Director, NIPGR, New Delhi from approved and eligible contractors of CPWD / State PWD and those on approved list of MES, Railways, Autonomous Bodies, State / Central Govt. undertakings, OR other reputed organizations for the following work:

Name of work: Construction of Shed & wash room along with soak pit & septic tank in developing field at NIPGR Campus, New Delhi.

Sl. No.	Estimated Cost (In ₹) 2.	EMD (In ₹) 3.	Time for Completion 4.	Last date & time for sale of tender documents 5.	Date & Time of submission of tender documents	Date & Time of Opening of Tenders 6.
1.	₹ 11,24,000.00	₹ 22,480.00	45 days	14.12.2018 1500 Hrs.	17.12.2018 1500 hrs.	18.12.2018 1500 Hrs.

Tender document can be obtained up to 1500 Hrs. on all working days from NIPGR office on payment of ₹ 500.00 (₹ Five hundred only) in cash (Non-refundable) towards the cost of tender from 22.11.2018 to 17.12.2018 up to 1500 hrs. **Tender documents can also be downloaded on line free of cost from our website www.nipgr.ac.in and Govt. CPP Portal <https://eprocure.gov.in/cppp/>**

The earnest money shall be in the form of Demand Draft of a Scheduled Bank issued in favour of the **Director, NIPGR, New Delhi** so as to reach the undersigned latest by 17.12.2018 at 1500 hrs.

Tenderers registered with M.S.M.E. & N.S.I.C. in the above-mentioned service / activity are exempted from submission of E.M.D.

The tender will be accepted in respect of those contractors having successfully completed at least three similar works of each value not less than ₹. 4.50 lacs OR two similar work of each value not less than ₹. 5.62 lacs OR one similar work of each value not less than ₹. 8.99 lacs during the last three years ending 30th Sept. 2018. Similar works means "Civil works" in Central Govt. / State Govt / Autonomous organizations, or other reputed organization. Annual Financial Turnover of the last three years ending March 31st, 2018 must be is not less than 9.00 lacs for each year.

Intending tenderers must enclose self-attested copies of Completion Certificates and work orders of having completed the work satisfactorily issued by an appropriate competent authority.

The Director, NIPGR reserves the right to accept or reject all or any of the tender without assigning any reasons thereof.

**Consultant Engineer
NIPGR, New Delhi**

GENERAL CONDITIONS

1. Online tenders are hereby invited from qualified contractors for the work of: **SUB.: Construction of Shed & wash room along with soak pit & septic tank in developing field at NIPGR Campus, New Delhi.**
2. The tender document consists of Tender form, Notice inviting tender, Instructions to bidders, General Information, General Conditions of contract Agreement, technical specification and Schedule /Bill of quantities etc. which can be had at a cost of ₹ 500.00 (₹ Five hundred only) in cash from 22.11.2018 to 17.12.2018 at 1500 hrs. from the NIPGR office, Aruna Asaf Ali Marg, New Delhi. **Tender documents can also be downloaded from our website www.nipgr.ac.in free of cost.** The tender document is obligatory on the part of the tenderers & bid in no other form will be accepted.
3. The time allowed for the completion of work is 45 days to be reckoned from the 10th day after the date of written order to commence the work.
4. Every tender shall be accompanied by earnest money for ₹. 22,480.00 (₹. Twenty two thousand four hundred eighty only) in the form of demand draft drawn in favour of the Director, NIPGR payable at New Delhi. Any tender not accompanied by such earnest money will be rejected straight away.
5. The contractor will submit his tender after examining the tender documents, scope of work, specifications, clauses, additional terms of contract agreement, special terms & conditions, bill of quantities etc.
6. The offer shall remain valid for 90 days from the date of opening of Tender. The value of tender can be increased or decreased and any item can be added, deleted, withdrawn or substituted without any notice as per the requirements of NIPGR without assigning any reason.
7. If a tenderer whose tender is accepted fails to undertake the work as per terms of the contract within 10 days to be reckoned from the date of issue of allotment letter, the earnest Money deposited will be forfeited.
8. NIPGR does not bind itself to accept the lowest or any tender and reserves the right to reject any or all tenders without assigning any reason.
9. NIPGR will not pay any expense, whatsoever incurred by tenderer for the preparation and submission of tenders.
10. This notice inviting tender, will form part of the contract agreement to be executed by the successful tenderer with the NIPGR.
11. The successful tenderer shall have to sign the contract agreement within 10 days of the allotment of work.
12. The contractor should visit the site and make them self-acquainted with the location of site. The Department shall not entertain any extra claim later on.
13. The site of work is at NIPGR Campus, Aruna Asaf Ali Marg New Delhi-110067.
14. Electricity if required shall be provided by the Institute free of Cost in a single point.
15. The uploaded documents / certificates shall be verified with originals after opening of Technical Bid.

**Consultant Engineer
NIPGR, New Delhi**

Seal & Sign of Contractor

INSTRUCTIONS TO BIDDERS

1. GENERAL INSTRUCTIONS:

The works referred here-in shall cover the entire scope of the proposal which includes supplying and installation of material including the successful completion and the tests which the desires to get carried out. The "Owner" where appearing in these documents shall mean Director, NIPGR.

2. TENDERERS TO STUDY ENTIRE TENDER DOCUMENT CAREFULLY:

Submission of a tender by a tenderer implies that he has read all the stipulations contained in this tender document and has acquainted himself of the nature, scope and specifications of the works to be followed.

3. TENDERER TO SUBMIT THE ENTIRE TENDER DOCUMENT ON-LINE.

The tenderer shall submit all documents issued to him for the purpose of this tender after duly filling the same in all respects. Tenders which are found to be vague or incomplete shall be rejected summarily.

4. INSTRUCTION FOR FILLING THE TENDER.

Tenders shall be submitted ON-LINE, it shall be signed by one who has been authorized by the Board of Directors through a resolution. Copy of resolution and the authority letter in favour of the person signing must accompany the tender.

5. TENDERERS TO QUOTE FOR ALL ITEMS AND IN FIGURES:

The tenderer shall quote his rates in figures with reference to each item and must enter for all the items shown in the attached Bill of quantities. Incomplete offer shall be liable for rejection. The total amount shall be written both in figures and in words.

6. VALIDITY PERIOD OF OFFERS:

The rates quoted in the tender shall hold good for 90 days from the date of opening of the tender. The validity period shall be extendable with the mutual consent of both the parties. No tenderer can withdraw/or modify his tender or revoke the same within the said period of 90 days. If a tenderer on his own withdraws or revokes the tender or revises or alters or modifies the tender for any item or condition within a period of aforesaid 90 days his earnest money deposit shall stand forfeited.

7. TENDERER TO SIGN ALL PAGES:

The tenderer shall stamp and sign at the bottom right hand corner of every page of the tender documents in token of acceptance of tender conditions and for the purpose of identification.

8. ERASURES AND ALTERATIONS:

Tenders containing erasures and alterations of the tender documents are liable to be rejected unless these are authenticated by the person signing the Tender Documents.

9. TENDERER TO SATISFY HIMSELF OF SITE CONDITIONS:

Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tender regarding nature of the site conditions, the means of access of the site, the accommodation they may require and in general obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender in any manner. A tenderer shall be deemed to have full knowledge of the site, whether he inspects it or not and no compensation or otherwise of any charges incurred or to be incurred consequent on any misunderstanding or otherwise shall be admissible. The tenderer must sign & submit the certificate for site inspection Annexure-II.

10. EARNEST MONEY:

The tender shall be accompanied by earnest money for ₹. 22,480.00 (₹. Twenty two thousand four hundred eighty only) in the form of Demand Draft only drawn in favour of the **Director, NIPGR payable at New Delhi**. Earnest money of the unsuccessful bidder(s) shall be refunded after expiry of the validity period of the tenders/allotment of works whichever is earlier.

11. TENDERER TO QUOTE BOTH IN FIGURES AND WORDS:

All tenderers shall quote the rate in figures as well as in words, the amount of each item shall be worked out and the requisite total given. Special care shall be taken to write percentage in figures and words, and the amount in figures only in such a way that interpolation is not possible. The total amount shall be written both in figures and in words.

12. TENDER LIABLE TO REJECTION:

Tenders which do not fulfill all or any of the conditions laid down in this notice, or contain conditions not covered and / or not contemplated by the Conditions of contract and/or expressly prohibited therein or stipulate additional/alternative conditions shall be liable to be rejected and his earnest money will be forfeited.

Tenders shall also be liable for rejection on any of the following grounds:-

- i) Tenders submitted late
- ii) Tenders containing remarks uncalled for.
- iii) Conditional tenders
- iv) Tenders not submitted on prescribed Performa.
- v) Telegraphic tenders.
- vi) Tender submitted without E.M.D.
- vii) Not submitted required documents as per tender.
- viii) Tenders with NIL consideration.

13. CORRESPONDENCE:

Tenderers must mention their postal address and telephone number(s) of the Chief Executive/authorized agent or attorney in the tender. The tender submitted by the tenderer will be rejected if he or his agent cannot be contacted on the last known address or on the intimated telephone number(s) after reasonable search in which event earnest money may be forfeited by the NIPGR.

14. NIPGR NOT TO ASSIGN ANY REASON FOR REJECTION OF TENDER:

NIPGR hold absolute discretion to accept or reject the lowest or any other tender without assigning any reason. No claim on this account shall be entertained.

15. AMENDMENT IN TENDER DOCUMENTS:

NIPGR reserves the right to revise or amend the Bid Documents up to the date prior to the date notified for opening of the tenders and also the right to postpone the date of submission and opening of tenders without assigning any reason, whatsoever.

16. REFERENCE IN TENDER DOCUMENTS:

Director, NIPGR, shall be referred as "Owner" in all the documents of Tender documents/contract agreement.

**Consultant Engineer
NIPGR, New Delhi**

Seal & Sign of Contractor

GENERAL INFORMATION

- 1 Accepting Authority Director,
NIPGR, New Delhi.
- 2 Reference Book i) CPWD specifications(Latest
as on date of tender)
ii)B.I.S. specifications(latest edition)
- 3 Earnest money For ₹. 22,480.00 (₹. Twenty two thousand four hundred eighty
only) to be furnished with the tender in the form of the demand
draft (No interest is payable on security depcsit)
- 4 Security deposit The security deposit will be collected by deductions from the
running bills of the contractors at the rate mentioned below and
the earnest money, if deposited at the time of tender, will be
treated as part of security deposit. Performance security may
be accepted as Bank Guarantee/DD of Scheduled Banks and
State Bank of India. A sum @ 10% of the gross amount of the
bill shall be deducted from each running bill of the contractor till
the sum along with the sum already deposited as earnest
money, will amount to Security Deposit of 5% of the tendered
value of the work. In addition, the contractor shall be required
to deposit an amount equal to 5% of the tendered value of the
contract as Performance Security within the period prescribed
for commencement of work in the letter of award issued to him.
- 5 Authority competent to grant extension of time Director, NIPGR or authorized person by Director, NIPGR
- 6 Tools & plants To be arranged by contractor
- 7 Schedule of Minimum wages As per notification issued by CPWD/NCT.
- 8 Authority competent to reduce the compensation amount Director ,NIPGR
- 9 Defect Liability Period Six months from the date of acceptance of completion by the
NIPGR.
- 10 Release Security Deposit The performance security shall be refunded to the contractor
on completion of the work and recording of completion
certificate by Institute and the security deposit of 5%of work
done shall be released after defect liability period. However if
the agency fail to complete the work to the satisfaction of the
Institute or violates any condition of the work order/tender, The
security deposit/performance security will be forfeited/bank
guarantee will be revoked.
- 11 Periodicity of submission Of interim Bills After Completion of Work.
- 12 Authority Competent to Appoint Arbitrator Director, NIPGR

Consultant Engineer
NIPGR, New Delhi

Seal & Sign of Contractor

MEMORANDUM

- a) Name work : Construction of Shed & wash room along with soak pit & septic tank in developing field at NIPGR Campus, New Delhi.
- b) Estimated cost ₹. 11,24,000.00/-
- c) Earnest money For ₹. 22,480.00 (₹. Twenty two thousand four hundred eighty only) in the form of Demand Draft in favour of NIPGR payable at New Delhi. (No interest is payable on earnest money).
- d) Time allowed for the completion of work(to be reckoned from 10th day after the date of issue of written order to commence work) 45 Days

Place
Date:

(Seal & Signature of Contractor)

SCHEDULE OF QUANTITIES

ITEM NO.	DESCRIPTION OF ITEM	QTY.	UNIT	RATE	AMOUNT
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Attached at pages

Should this tender be accepted, in whole or in part I/We hereby agree to abide by and fulfill all the terms & provisions of the conditions of tender as applicable or in default there of a sum of for ₹. 22,480.00 (₹. **Twenty two thousand four hundred eighty only**) deposited by me us as earnest money in favour of Director , New Delhi., shall stand absolutely forfeited to NIPGR.

I/We agree:

- (i) that should I/We fail to commence the work specified in the above mentioned Memorandum the NIPGR without prejudice to any other right or remedy shall be at liberty to forfeit the earnest money. Otherwise the said earnest money shall be retained and adjusted towards security deposit mentioned in the above Memorandum
- (ii) to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein.

The names, postal address and contract nos. of our representative(s) authorized to deal with this tender are:

1)

2)

3)

Dated the _____ day of _____ 2018.

Signature of Tenderer

GENERAL CONDITIONS OF CONTRACT AGREEMENT

SECURITY DEPOSIT

The person/persons whose tender may be accepted (herein after called the contractor) shall permit NIPGR at the time of making any payment to him for works done under the contract to deduct such sum as will amount to 10 % of all moneys so payable to be held by the NIPGR, by way of security deposit. Earnest money and performance guarantee shall also be adjustable towards this security deposit. All compensation or other sums of money payable by the contractor to NIPGR under terms of this contract may be deducted from his security deposit or from any account what so ever, and in the event of his security deposit being reduced by reason of any such deduction, the contractor shall within 10 days thereafter make good in cash any sum or sums which may have been deducted from his security deposit or any part thereof.

COMPENSATION CLAUSE

Being a time bound contract, and the contractor shall be liable to pay penalty @1.0% per week subject to maximum of 10% of work order amount if the work is not completed within stipulated time of Completion.

The Contractor shall be responsible for any damages and site clearance and nothing extra will be paid. In case the site clearance and damages are not attended, a recovery amounting to Rs. 20,000/- (Rs. Twenty thousand only) shall be made.

Provided always that the entire amount of compensation to be paid under the provisions of this clause shall not exceed ten percent of the awarded cost of work as shown in the tender. The Director, NIPGR, on a representation from the Contractor, is however; empowered to reduce the amount of compensation and his decision in writing shall be final.

TIME EXTENSION

If the contractor shall desire an extension of the time limit for completion of the work on the grounds of his having been unavoidably hindered in its execution or on any other ground he shall apply in writing to the Director, NIPGR within 5 days of the date of the hindrance on account of which he desires such extensions as aforesaid but before the expiry of time limit and the NIPGR, if in his opinion(which shall be final)reasonable grounds as shown thereof, authorized such extension of time if any, as may, in his opinion be necessary or proper.

COMPLETION OF WORK

Without prejudice to the rights of Institute under any clause hereinafter contained on completion of the work, the contractor shall be furnished with a certificate to NIPGR of such completion, but no such certificate shall be given nor shall the work be considered to be complete until the contractor shall have removed from the premises on which the work has been executed, all scaffolding ,surplus materials and rubbish, and cleaning off the dirt from all doors, walls, floors, or any other parts of buildings said to have been completed, and the measurements in the said certificate shall be binding and conclusive against the contractor, if the contractor shall fail to comply with the requirements of this clause as to the removal of scaffolding, surplus materials, and rubbish and cleaning off dirt on or before the date fixed for the completion of the work, by NIPGR may at the expense of the contractor have removed such scaffolding ,surplus materials and rubbish and dispose of the same as he thinks fit and clean off such dirt as aforesaid and the contractor shall forth with pay the amount of all expenses so incurred, and shall have no claim in respect of any such scaffolding or surplus materials as aforesaid except for any such sale proceeds actually realized by the sale thereof.

ADDITIONS/ALTERATIONS

The Director ,NIPGR shall have power to make any alterations or omissions or additions or substitutions in the original specifications ,drawings ,designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and the contractor shall be bound to carry out the work in accordance with any instructions which may be given to him in by the Director, NIPGR and such alterations, additions or substitutions shall not invalidate the contract and any altered, additional or substituted work which the contractor may be directed to carry out in the manner above specified as part of the work shall be carried out by the contractor on same conditions in all respects on which he agreed to do the main work. The time for the completion of the work shall be extended in the proportion that the altered additional or substituted work has to the main work at the sole discretion of the Director, NIPGR and his decision in this regard shall be final and binding on the contractor.

The rates for the additional, altered or substituted work under this clause shall be worked out in accordance with the following provisions in their respective order:

CARRYING OUT OF WORK

All the work shall be carried out in accordance with CPWD specifications prevalent as on date of tender & strictly as per the specifications given in the tender to the total satisfaction of the NIPGR. In the case of an item for which specification are not available in the said specifications relevant BIS specifications applicable as on the date of tenders shall be followed.

INSPECTION OF WORK

The work during its progress shall from time to time inspected by the Engineer or their representative on behalf of Director, NIPGR and the contractor shall extend all co-operations to the inspection of the work.

**Consultant Engineer
NIPGR, New Delhi**

Seal & Sign of Contractor

SPECIAL TERMS AND CONDITIONS OF CONTRACT

1. SPECIFICATIONS:

If specifications for an item of work are not covered by the CPWD Specifications/B.I.S. Specifications prevailing as on date of tender, the same shall be decided by the NIPGR and shall be binding on the contractor.

The Director shall have the power to insist upon the contractor to purchase and use such materials of particular approved make which may in his opinion be necessary for proper and reasonable compliance with the specifications and execution of work.

In the event of any variation/discrepancy in the drawings, specification and tender documents the decision of the NIPGR shall be final binding and conclusive on the contractor.

2. CONTRACTOR TO BE LIABLE FOR ALL TAXES ETC.

The rates specified in the tender shall be inclusive of GST, etc. or any other taxes. However if any fresh taxes are imposed by State/Central/Statutory bodies during the currency of contract, the same shall be borne by NIPGR.

3. FORCE MAJEURE:

The right of the contractor to proceed with the work shall not be terminated because of any delay in the completion of the work due to unforeseeable causes beyond the control and without the fault or negligence of the contractor, including not limited to acts of God, or of the public enemy, restraints of a sovereign state, firms, floods, unusually severe weather.

4. APPROVAL OF SAMPLES:

Before undertaking any item of work for use in work the contractor shall arrange the items at his own cost for relevant samples which shall be approved by NIPGR. These samples will be sealed by the NIPGR in the presence of the contractor, if he so desires and shall remain in the custody of the NIPGR for reference and comparison till the completion of work.

5. JURISDICTION:

Notwithstanding any other courts having jurisdiction to decide the questions forming subject matter of a suit any and all actions and proceedings arising out of or relative to this contract (including any arbitration in terms thereof) shall lie only in the court of competent Civil jurisdiction in this behalf at New Delhi, where this contract is to be signed on behalf of Director NIPGR and only the said court shall have jurisdiction to try any such actions and/or proceedings to the exclusion of all other courts.

6. SCOPE OF WORK:

The scope of work is as per enclosed BOQ. The contractor has to execute the work covered under this contract, may undergo changes. The scope of work is thus not limited BOQ description.

7. CONTRACTOR'S RESPONSIBILITY FOR THE MANNER OF EXECUTION OF WORKS:

The contractor shall be solely responsible for the manner and the method of executing the work. The work shall be subject to the approval of NIPGR from time to time for purposes of determination of the question whether the work is executed by the contractor in accordance with the contract.

8. SUBMISSION OF BILLS:

Contractor is to submit the bills and record of measurements in approved Performa of the NIPGR or his representative for works executed by him. The Bill can be submitted per month for release of payment on prorata basis. Final Payment shall be released after completion of work only. The payment will be released after deduction of tax / statutory deductions as per rules in force.

9. ACTION AND COMPENSATION PAYABLE IN CASE OF BAD WORK:

If it shall appear to NIPGR, NIPGR or his representatives, that any work has been executed with unsound, imperfect or unskillful workmanship or with materials of any inferior description or that any materials or articles provided by him for the execution of the work are unsound or of a quality inferior to the contracted for, or otherwise not in accordance with the contract CPWD specifications/B.I.S. specifications the contractor shall on demand in writing from the Architect specifying the work materials, articles complained or not with-standing that the same have been inadvertently passed, certified and paid for, forthwith rectify or remove and reconstruct the work so specified in whole or in part as the case may require, or as the case, remove the materials or articles so specified and provide other and suitable materials or articles so specified at his own cost and in the event of his failing to do so within a period to be specified by the architect in his demand aforesaid, then the contractor shall be liable to

pay compensation at the rate of one percent on the amount of the estimate for every day not exceeding ten days while his failure to do so that continue and in the case of any such failure NIPGR, NIPGR may rectify or remove, and re-execute the work or remove and replace with other materials or articles complained of, as the case may be at risk and expenses in all respects of the contractor.

10. The works shall be inspected by Engineers / Authorized representative of NIPGR. The contractor shall extend full co-operation and render all necessary facilities for inspection of the work to the inspecting authority without any additional cost to NIPGR. It must be noted that any observations/ comments/ recommendations of the said Technical consultants shall be binding on the contractor.

11. It shall always prevail, unless otherwise specifically stated, that the entire provisions of Tender document been opened upon and accepted for compliance by the contractor without any reservation.

Consultant Engineer
NIPGR, New Delhi

Seal & Sign of Contractor

GENERAL SITE RULES, PROCEDURES AND PRECAUTIONS

1 SITE WORKING RULES AND REGULATIONS

a) The contractor shall furnish Director, NIPGR the Power of Attorney name and signature of his authorized representative who will be in-charge of the execution of the works at site. The contractor shall also furnish the list of technically qualified persons employed by him for execution of the works. Daily reports of number of men employed by crafts and weekly reports of progress achieved, expected date of completion of the works and any actual or potential delays stating the reasons thereof shall be furnished by the contractor.

b) Save as otherwise specifically provided in this Agreement the rates and prices herein, unless otherwise stipulated elsewhere in this Agreement, include all the costs, expenses and outlays of the contractor for executing the works and fulfilling all the obligations of the Contractor under this agreement.

**Consultant Engineer
NIPGR, New Delhi**

Seal & Sign of Contractor

Schedule of Quantity

Name of work : Construction of Shed & wash room along with soak pit & septic tank in developing field at NIPGR Campus New Delhi.

SL.N o.	Description of Items	Unit	Qty	Rate	Amount
1	Earth work excavation in foundation pits, trenches etc. in all soils ,soft and hard rock respectively upto depth mentioned below including shoring & dewatering if necessary, dressing the sides, trimming,ramming and preparing the bed for foundation & refilling around the foundation and in plinth with selected excavated earth, in layers not exceeding 150mm. thick watering consolidation and disposing of the surplus earth within a distance of 150 M. etc.complete as per specifications, drawings & as directed by the Engineer-in-charge. a)In all kind of Soil				
	Depth upto 2.5 mtrs	Cu.M.	6		
	b)In Soft rock				
	Depth upto 2.5 mtrs	Cu.M.	9		
	c) In hard rock				
	Depth upto 2.5 mtrs	Cu.M.	9		
2	Cement concrete for the following specified mix using graded stone machine mixing, transporting, placing in position consolidation,finishing, curing etc.in all works upto plinth level complete as per specifications and drawings as directed. Mix:1:1.5:3	Cu.M.	20		
3	Reinforced Cement Concrete of grade M-20 conforming to I.S.456 using graded stone aggregate of 20mm. maximum sizedown graded including machine mixing, conveying,placing in position in'all depths and locations, mechanical consolidation, finishing ,curingetc.complete as per specifications and drawings for the following but'excluding the cost of form work and steel reinforcement (which shall be paid under relevant item)				
	a) In foundations, rafts and slabs	Cu.M.	3		
5	Providing, erecting, fixing in position striking/removing and cleaning steel/timber shuttering & centering for form work in foundation & plinth at all locations for all shapes including chamfers,splays, keys, wedges, props, rails, bracings, brackets, cutting holes for pipes etc., providing & applying approved form oil on all surfaces of form work coming in contact with concrete including close hacking of all exposed concrete work after removal of form work, all materials,labour etc.complete as per specifications, drawings and as directed by the Engineer-in-charge. (Area of form work in contact with concrete shall only be measured for payment & stop boards for construction joints will not be measured for payment).				
	a) In foundations, rafts and slabs	Sq.m	40		
6	Reinforcement for RCC work at contractor's own cost including supplying,delivering and storing of various diametres as required at site of work transporting, decoiling, straightening, cutting, bending, placing in position at all depths, locations levels and binding with 18-20 gauge,soft drawn annealed steel binding wire complete as per specifications and drawings. (Cost of binding wire shall be borne by the contractor & binding wire shall not be measured for payment. Rate includes cost of testing of materials by Contractor as specified in the Specifications and IS)				
	a) H.Y.S.D. bars	Kg	400		
7	Brick work with non modular bricks of class designation 75 in Cement Mortar 1:6 in foundation & plinth to correct line, level and Plumb including scaffolding raking out joints/ simultaneous flush pointing with cement mortar 1:6, curing etc. complete as per specifications and drawings. Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	18		
8	Brick work 115mm, thick in partition walls'Brick work 115mm. thick in foundation and plinth at all depths as per drawing'in Cement Mortar 1:4 to correct line, level & plumb using non modular bricks of class designation 75 with 115mm.wide , including scaffolding raking out of joints, curing etc.complete as per specifications and drawings	Sq.m	5		
9	52 mm thick cement concrete flooring with concrete hardener topping,under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete	Sq.m	8		
10	Providing/water proof plaster 20 mm cement plaster of mix :	Sq.m	40		

NOT TO BE FILLED

SL.N o.	Description of Items	Unit	Qty	Rate	Amount
	1:4 (1 cement: 4 coarse sand)				
11	Water proof sand faced plaster 12 mm cement plaster finished with a floating coat of neat cement	Sq.m	25		
	1:3 (1 cement: 3 fine sand)				
12	Providing and laying non-pressure NP2 class (light duty) R.C.C.pipes with collars jointed with stiff mixture of cement mortar in the pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :				
	100mm dia R.C.C. Pipes	Metre	12		
13	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design.				
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	1		
14	Disposal of moorum/ building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for a distance upto 1 km for all lifts, complete as per directions of Engineer-in-Charge.	Cum	50		
15	Structural steel work welded in built up sections, Angles, tubular sections, trusses, prop, MS pipes etc. and framed work including cutting, hoisting, fixing in position and applying priming coat of approved steel primer all complete: as per drawing & instruction of Engineer-in-charge	Kg.	50		
16	Providing & Fixing of asbestos sheet for The roof gives a very smooth and lintered look. The roof should be single slope will remain 100% leak proof and structural trusses and perlins etc. complete as per direction of Engineer-in-charge.	Sqm.	15		
17	Providing & Fixing Door, Window of MS frame with PVC shutters for doors and window panes of Glass and Fixing of 5mm thick clear annealed glass (Modi Guard make) fixtures and fasteners, handles, tower bolts, stay, etc complete in all respects as per drawing and design.	Sqm	10		
18	Painting -Texture coating is applied on exterior panels and Interior walls & ceilings are coated with paint in approved colour for the following:				
18a)	Finishing walls with textured exterior paint of required shade :New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm	Sqm	40		
18b)	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two or more coats on new work	Sqm	30		
19	Providing laying, jointing, fixing & testing of approved make and as per color code class - B, quality G.I pipes as per IS 1239 including fittings like elbows, collars, tees, unions, couplings, reducers, enlargers, bends and all other fittings required for completion including testing the pipes to 10 kg/cm ² pressure with minimum period of two hours duration with clean water, including laying under the floor, chasing in the walls roof slab and making good the same to original condition including cost of all jointing material like hemp yarn white or red lead clamps and wooden gutties screws cement sand etc. complete testing the pipe with clean water as per specifications complete with G.I fittings and clamps, including cutting and making good the walls etc. (internal work) Exposed on wall. The measurements shall be along the centre line of pipes and fittings .				
	a) 15mm dia	Rmt	7		
	b) 20mm dia	Rmt	8		
	c) Ball valve-15mm	Each	2		
	d) Ball Valve 20mm	Each	2		
20	Providing and fixing 100mm SS <u>trap</u> of approved make and good quality on top of floor traps including all necessary Cement works all complete as directed by EIC	Each	3		
21	Providing and Fixing 15mm C.P. brass angle valve with C.P. copper connecting pipe 375 mm long and nuts, washer and brass flange complete, including cutting and making good the wall where required. (Jaquar, Hindware)	Each	4		
22	Providing and fixing <u>6 mm thick beveled edge mirror</u> of Modi Guard make 600 x 450 mm of superior glass (of approved quality) complete with 6 mm thick Kitply or approved marine ply ground fixed to wooden cleats with CP brass screws, washers complete all complete as directed by EIC	Each	1		

NOT TO BE FILLED

SL.N o.	Description of Items	Unit	Qty	Rate	Amount
23	Providing and fixing <u>G.I inlet fitting</u> with one or two inlets fabricated from 100 mm dia. G.I Pipe and welded with G.I sockets and fixed to U trap and setting the same in cement concrete 1:2:4 (1 cement : 2 coarse sand 4: graded stone aggregate 20mm nominal size) complete. as directed by EIC	Each	3		
24	Providing and laying <u>cement concrete 1:2:4</u> mix (1cement : 2 coarse sand: 4 graded stone aggregate 20mm and down gauge) 75 mm in bed and around C.I soil and waste pipe including consolidation & curing, necessary form work, etc., all complete as per specifications & as directed by EIC. a) 100 mm dia under floor for soil and waste pipe.	Mtr.	25		
25	Providing and fixing Naheni trap : 100mm dia centrifugally cast (spun) iron S&S.	Each	4		
26	Providing and fixing Ist quality ceramic glazed tiles conforming to IS : 13753 of minimum thickness 5 mm of approved make in all colours, shades except begundy, bottle green, black of any size as approved by Eningeer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of Cement Mortar 1:3 (1 Cement : 3 Coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	Sqm.	25		
27	Providing and fixing white Vitreous China pedestal type water closet (European type) with seat & lid, with C.P. brass hinges and rubber buffers, 10 litres low-level flushing cistern with fittings & C.I./MS brackets, 40mm flush-bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting & making good the walls and floors where required. W.C. pan with white plastic seat and lid with white PVC flushing cistern & C.P. flush bend.	Each	1		
28	Providing and fixing white vitreous china flat back or half stall urinal of 580x380x350mm with automatic flushing cistren(of approved make) with fittings, C.I/M.S brackets standard size C.P brass flush pipe, spreaders with unions and clamps (all in C.P brass) with waste fitting as per IS: 2556, C.I trap with outlet grating and other couplings in C.P brass including painting of fitting and brackets, cutting and making good the walls and floors wherever required Range of two half stall urinals with 5 litre P.V.C automatic flushing cistren	Each	1		
29	Providing and fixing glazed vitreous china wash basin of approved make and whitecolour basin comprising of : a) Best Indian Flat back wash basin suitable for over or under counter installation 550 x 400 mm with supported on suitable wall brackets. b) one no heavy quality 15mm nb CP brass single hole mixing pillar cock with jam nut conforming to IS 1795 c) one no ,15mm nb heavy quality CP brass inlet connection with brass union ends d) one no ,15mm nb heavy quality CP brass screwed down stop cock conforming to IS 781 CP brass inlet connection with brass union ends e) one no. , 32mm nb heavy qulity CP brass waste with rubber plugs & CP chain. f) one no. 32 mm nb CP brass heavy quality bottle trap with extension piece and wall flange etc. complete dripless of approved make	Each	1		
30	Providing and fixing towel rail complete with brackets fixed to wooden cleats with C.P brass screws a) C.P brass towel rail with two C.P brass brackets 600 x 20 mm size.	Each	1		
31	Providing and fixing C.P brass concealed stop cock (heavy) 15 mm size of approved quality conforming to is:781	Each	2		
32	Providing and fixing C.P brass short body bib cock of approved quality . a) 15 mm nominal bore	Each	2		

NOT TO BE FILLED

SL.N o.	Description of Items	Unit	Qty	Rate	Amount
33	Providing laying and fixing in position under floors or against walls centrifugally (spun) iron or sand cast iron socket and spigot soil, waste, ventilation pipes and fittings including cost of all fittings like bends, offsets, tees, tapers, collars, connectors, plugs, shoes etc. conforming to IS 3989 and IS 1729 respectively including cost of jointing with tarred spun jute yarn and molten piglead caulking the joints including testing, painting with two coats of approved shade enamel painting etc all complete. The measurements will be taken along the centre line of pipes & fittings or specials.				
	a) 100 mm dia	Each	1		
34	Providing and fixing sand cast iron trap of self cleansing design with sand cast iron screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors wherever required.				
	a) 100 mm inlet and 100 mm outlet	Each	1		
35	Providing and fixing G.I inlet fitting with one or two inlets fabricated from 100 mm dia. G.I Pipe and welded with G.I sockets and fixed to C.I trap and setting the same in cement concrete 1:2:4 (1 cement : 2 coarse sand 4: graded stone aggregate 20mm nominal size) complete.	Each	1		
36	Providing and laying cement concrete 1:2:4 mix (1 cement : 2 coarse sand: 4 graded stone aggregate 20mm and down gauge) 75 mm in bed and around C.I soil and waste pipe.				
	a) 100 mm dia under floor including shuttering and soil and waste pipe.	Each	1		
37	Providing and fixing and erecting at all floors and levels PVC water storage tanks with inlet outlet, overflow connections, brass float valve of approved quality, with lockable type cover, complete fittings such as gate valves etc. complete in all respect and base support (Steel Structure) upto 8ft Ht for tank.				
	a) 500 ltrs. Cap(01Nos.)	Each	1		
38	Construction of GM valve chambers comprising 230mm thick brick masonry in CM 1:4, internal size 450x450mm, over 150mm thick CC 1:4:8 foundation plastering with CM and waterproofing compound smooth finish with a floating coat including providing and fixing CI frame with cover no less than 7 kg painted with 2 coats of approved shade as per specifications.	Each	1		
39	Providing laying and jointing salt glazed stone ware pipes grade 'A' or 'AA' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete.				
	a) 100 mm dia	Mtrs.	10		
40	Providing and laying cement concrete 1:3:6 (1 cement: 3 fine sand 6 graded stone aggregate 20 mm nominal size) around S.W/RCC uPVC pipes including bed concrete as per standard design.	Cum	3		
41	Providing and fixing square mouth S.W gully trap grade 'A' complete with grating brick masonry chamber with bricks of class designation 75 and water tight C.I cover with frame of 300 x 300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design.				
	a) 150 x 100 mm size 'P' type	each	3		
42	Constructing brick masonry manhole 900mm dia circular with bricks of class designation 75 in cement 1:5 (1 cement :5 fine sand) RCC top slab with 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:4:8 mix (1 cement: 4 coarse sand: 8 graded stone aggregate 20 mm nominal size) inside and outside plastering 12 mm thick with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement with water proofing compound inside and sand faced plaster on outside and making channels in cement concrete 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design				
	Inside size 90 x 80 cms and 60 cms deep including suitable C.I. Cover with frame (medium duty) 900mm circular dimensions total weight of cover and frame all complete as per specification and as directed by EIC	Each	2		

NOT TO BE FILLED

SL.N o.	Description of Items	Unit	Qty	Rate	Amount
43	making connection of drains of sewer line with existing man hole, breaking into & making good the walls floors with cement concrete 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) cement plaster on both sides with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement & making necessary channels for the drains etc. complete. a) For pipes 100-230 mm dia	Each	2		
44	Providing and fixing vertical post(circular pipe) of approved size by welding etc. to truss and MS frame work and similar works, including applying priming coat of approved steel primer all complete as per Direction of Engineer - in - charge. M.S.pipe	Kg	450		
45	Steel work in builtup tubular trusses (round, square or rectangular hollow tubes etc.) including cutting, hoisting fixing in position and welded, and bolted including special shaped washer etc. and applying priming coat of approved steel primer etc all complete as per Direction of Engineer-in-charge. Hot finished welded type tube	kg	1800		
46	Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch, including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel roving incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866. The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified. 2 mm thick flat	Sqft	1000		
47	Providing and fixing PTMT swivelling shower, 15 mm nominal bore, weighing not less than 40 gms .	Each	1		
48	Providing & Fixing C.P. brass stop cock (concealed) of standard design and approved make .:15mm nominal bore	Each	1		
				Total Amount	
				Add GST @18%	
				Net Total Amount	
Consultant Engineer				Seal & Sign of Agency	

NOT TO BE FILLED

Instructions for Online Bid Submission

1. The tender documents are available on our website www.nipgr.ac.in & www.eprocure.gov.in and same can be downloaded.
2. Tender documents may be downloaded from ITPO's website www.nipgr.ac.in and CPPP site <https://eprocure.gov.in/eprocure/app> as per the schedule as given in the tender document.
3. Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app>. Tenderers/Contractors are advised to follow the instructions provided in the 'Instructions to the Contractors/Tenderer for the esubmission of the bids online through the Central Public Procurement Portal for eProcurement at <https://eprocure.gov.in/eprocure/app>'. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
4. Not more than one tender shall be submitted by one contractor or contractors having business relationship. Under no circumstance will father and his son(s) or other close relations who have business relationship with one another (i.e when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.
5. The bidders are advised to visit CPPP website <https://eprocure.gov.in/eprocure/app> at least 3 days prior to closing date of submission of tender for any corrigendum / addendum/ amendment.
6. Bids will be opened as per date/time as mentioned in the **Tender Document**. After online opening and evaluation of technical bids, the results of their qualification as well Price-Bid opening will be intimated.

Submission of Tender

The tender shall be submitted online in two parts, viz., Technical bid and Financial bid.

All the pages of bid being submitted must be sequentially numbered by the bidder irrespective of nature and content of the documents before uploading.

The offers submitted by hand/Post/Fax/email shall not be considered. No correspondence will be entertained in this matter.

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

REGISTRATION

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link "**Online Bidder Enrolment**" on the CPP Portal which is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.

- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra/ Nic etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

SEARCHING FOR TENDER DOCUMENTS

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

Bidder should take into account any corrigendum published on the tender document before submitting their bids.

- 1) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 2) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- 3) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, GST Certificate etc.) has been provided to the bidders. Bidders can use "My Space" or "Other Important Documents" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

- 1) Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.

- 3) Bidder has to select the payment option as “offline” to pay the tender fee / EMD as applicable and enter details of the instrument.
- 4) Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official before bid opening date/time as mentioned in critical date sheet or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
- 5) Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
- 6) The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 7) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener’s public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 8) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 9) Upon the successful and timely submission of bids (i.e after Clicking “Freeze Bid Submission” in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 10) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS

- 1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.

Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 1800 3070 2232, 91-7878007972 and 91-7878007973.

Terms & Conditions

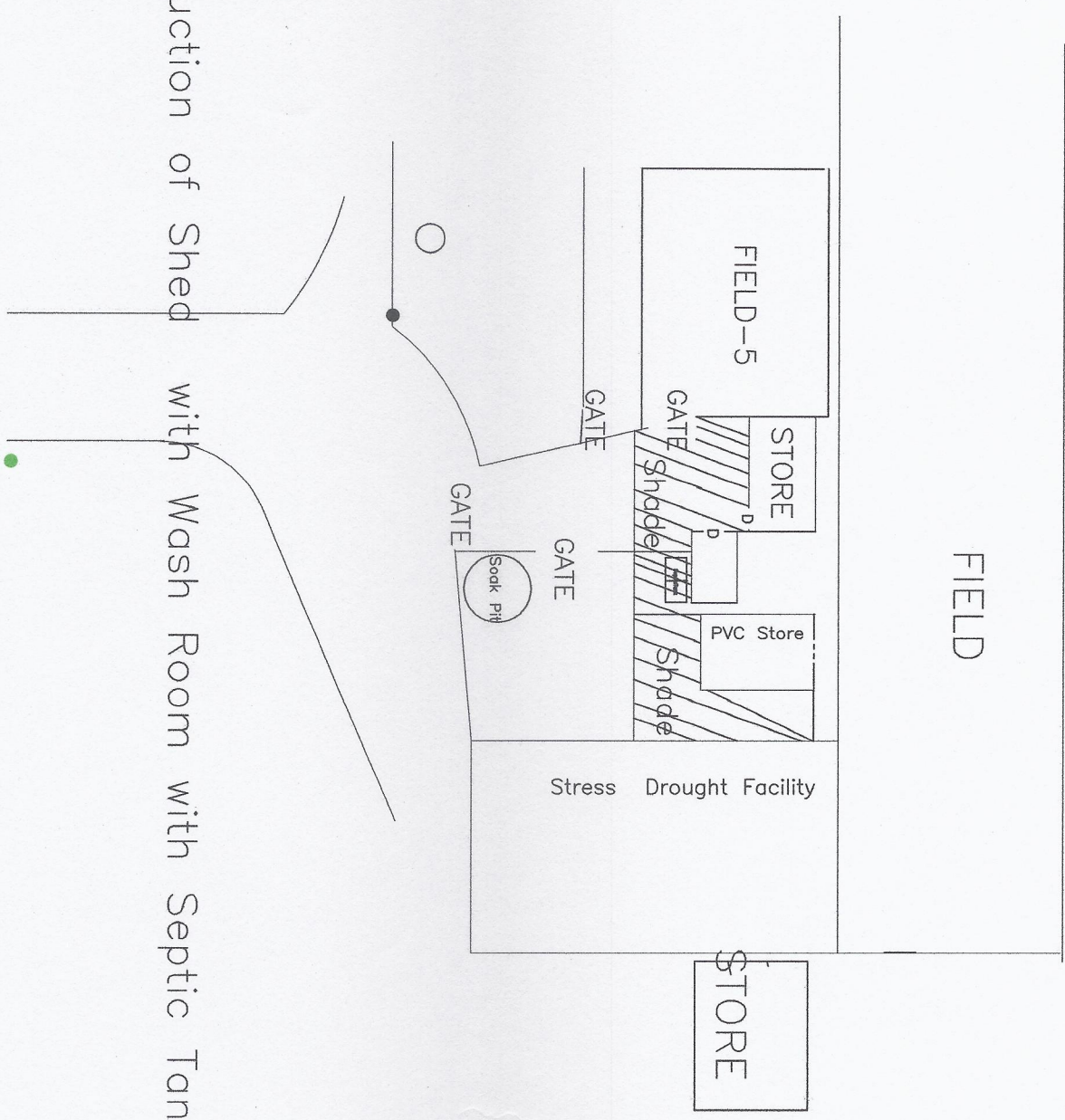
Name of work: Construction of Shed & wash room along with soak pit & septic tank in developing field at NIPGR Campus, New Delhi.

1. The site of work is at NIPGR Campus, Aruna Asaf Ali Marg New Delhi-110067. The contractor shall make his own arrangement for the security of material at site.
2. The contractor shall arrange all T&P and nothing extra will be paid.
3. The contractor must get **the prior approval of materials** from the Institute.
4. The rates shall be inclusive of Transportation, loading, unloading and handling charges of material.
5. The rates shall be inclusive of all taxes including GST.
6. The contractor shall follow all labour laws as prevailing in Delhi.
7. All works shall be completed to the entire satisfaction of the Institute.
8. The management reserves the right to reject / accept any or all tender without assigning any reason.
9. In case of any dispute the decision of the Institute shall be final & binding on the contractor.
10. Payment shall be made after completion of work.
11. Any work not carried out as per instructions of the Institute shall be dismantled and reconstructed by the contractor without any extra cost.
12. The work shall be completed in all respects within 45 days from the date of issue of work order. Being a time bound, contract, and the contractor shall be liable to pay penalty @ 1% per week subject to maximum of 10% of work order amount if the work is not completed within stipulated time of Completion.
13. The Contractor shall be responsible for any damages and site clearance and nothing extra will be paid. In case the site clearance and damages are not attended, a recovery amounting to Rs.10,000/- (Rs. Ten thousand only) shall be made.
14. Security deposit @ 5% shall be deducted from the bill and shall be refunded after the completion of defect liability period of one year. The EMD will however be adjusted towards security deposit. .
15. The rates quoted shall remain valid for a period of 90 days, No tender can withdraw\or modify his tender or revoke the same within the same period. If a tenderer on his own withdrawn\or revokes the tender for any item or condition within the period mentioned in the tender notice his earnest money deposit shall stand forfeited. Notwithstanding foregoing, the Institute reverses the right to take other action as deemed appropriate.
16. The contractor shall be responsible for adhering to the statutory guidelines, regarding safety, security and payment of wages to labour.

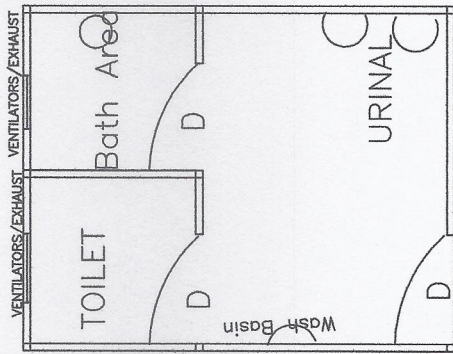
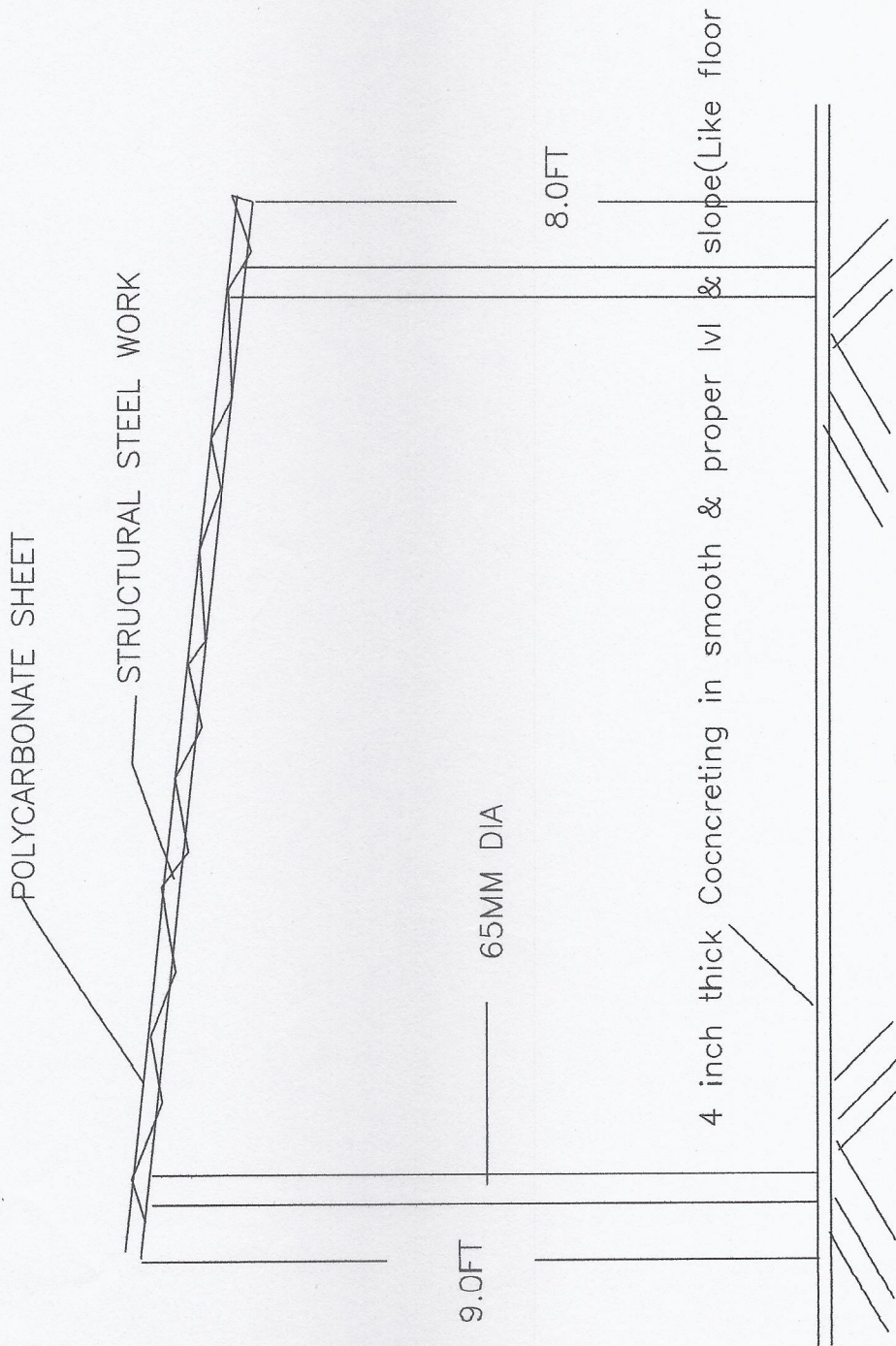
**Consultant Engineer
NIPGR, New Delhi**

Seal & Sign of Contractor

27



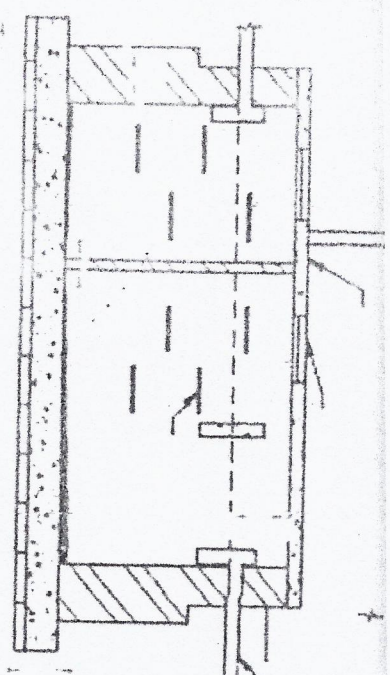
Construction of Shed with Wash Room with Septic Tank & Soak Pit at NIPGR



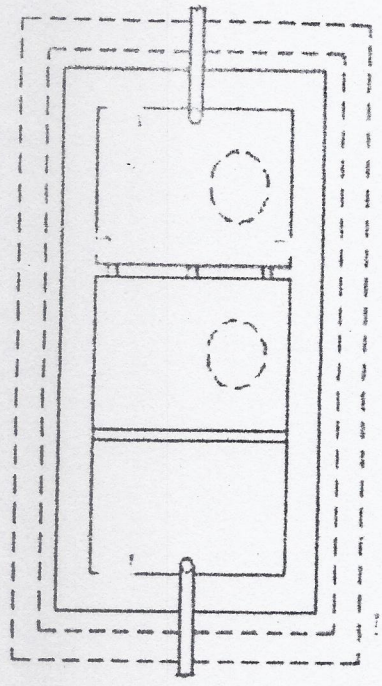
WASH ROOM IN DEVELOPING FIELD

Construction of Shed with Wash Room with Septic Tank & Soak Pit at NIPGR



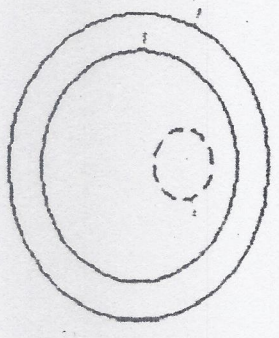
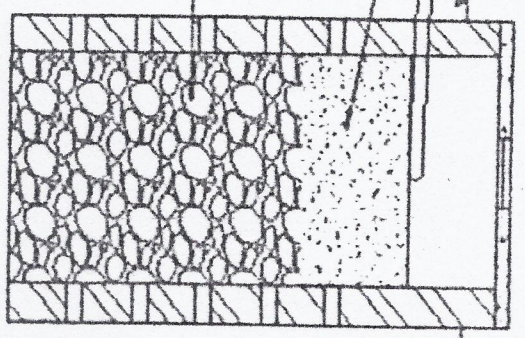


SECTIONAL ELEVATION



PLAN

SEPTIC TANK
(1:50)



SOAK PIT
(1:50)

Handwritten mark

(Undertaking on a Non-Judicial Stamp Paper worth Rs. 100/- duly notarized)

I / We (bidder) hereby give an undertaking that:

- a) I/We have not been blacklisted / on holiday list / debarred during last three years by any Govt. Department/Govt. Autonomous Body/Institution, etc.;
- b) I/We do not have any dispute with any of the Govt. Departments/Govt. Autonomous Bodies/Institutions, etc.;
- c) I/We have never been certified as 'Unsatisfactory Performer' for the said services provided to the Govt. Departments/Govt. Autonomous Bodies/Institutions;
- d) I/We have not submitted any fake/forged certificates/documents and later, if any such 'Certificates/Documents' found to be fake/forged or contains willful wrong/incorrect information, suitable legal action may be initiated against me/us/agency besides 'forfeiture of Earnest Money Deposit' and 'Blacklisting' etc.
- e) I/We shall not withdraw my/our bid after opening of Technical Bid and if done so, the NIPGR shall be authorized to forfeit the EMD submitted by me/us.

Seal and Signature of the Authorized
Person of the Agency

Name and designation of the
Authorized Person of the Agency

Place:

Date:

**‘CERTIFICATE FOR SITE INSPECTION’
Pre-qualification criteria of NIT**

Certificate that we have visited the site on and assessed the nature and amount of work involved before submitting our offer. We will be able to complete the works within the stipulated date & time and also confirm that we will be able to execute the work which suit to the site conditions.

(Signature of Bidder with Seal)

Name:

Address:

Date:

Consultant Engineer

CHECK-LIST FOR PRE-QUALIFICATION BID FOR: Construction of Shed & wash room along with soak pit & septic tank in developing field at NIPGR Campus, New Delhi:

Sl. No.	Documents asked for	Page number at which document is placed
1.	Tender Cost	
2.	Earnest Money	
3.	Name of authorized person of the firm/agency, designation, address and office telephone numbers. If the bidder is a partnership firm/private or limited company, name designation, address and office telephone numbers of partners/ Directors also.	
4.	Undertaking on a Non-judicial Stamp Paper of ₹ 100/- (as per format prescribed in Annexure-I) with the Technical Bid.	
5.	Self-attested copy of the PAN card issued by the Income Tax Department and Annual Financial Turnover of last three years ending March 31 st , 2018. ✓	
6.	Self attested copy of GST.	
7.	Proof of experiences of last three years ending 30 th Sept., 2018 as specified in the NIT along with satisfactory performance certificates from the concerned employers. ✓	
8.	Any other documents, if required.	

Signature of the Bidder
(Name and Address of the Bidder)
Telephone No.

FINANCIAL BID

**Name of work: Construction of Shed & wash room along with soak pit & septic tank
in developing field at NIPGR Campus, New Delhi.**

**CLIENT : DIRECTOR NIPGR
NEW DELHI**

Schedule of Quantity

Name of work : Construction of Shed & wash room along with soak pit & septic tank in developing field at NIPGR Campus
New Delhi.

SL.No.	Description of Items	Unit	Qty	Rate	Amount
1	Earth work excavation in foundation pits, trenches etc. in all soils ,soft and hard rock respectively upto depth mentioned below including shoring & dewatering if necessary, dressing the sides, trimming,ramming and preparing the bed for foundation & refilling around the foundation and in plinth with selected excavated earth, in layers not exceeding 150mm. thick watering consolidation and disposing of the surplus earth within a distance of 150 M. etc.complete as per specifications, drawings & as directed by the Engineer-in-charge.				
	a) In all kind of Soil				
	Depth upto 2.5 mtrs	Cu.M.	6		
	b) In Soft rock				
	Depth upto 2.5 mtrs	Cu.M.	9		
	c) In hard rock				
	Depth upto 2.5 mtrs	Cu.M.	9		
2	Cement concrete for the following specified mix using graded stone machine mixing, transporting, placing in position consolidation, finishing, curing etc.in all works upto plinth level complete as per specifications and drawings as directed.				
	Mix: 1:1.5:3	Cu.M.	20		
3	Reinforced Cement Concrete of grade M-20 conforming to I.S.456 using graded stone aggregate of 20mm. maximum sized down graded including machine mixing, conveying, placing in position in all depths and locations, mechanical consolidation, finishing ,curing etc.complete as per specifications and drawings for the following but excluding the cost of form work and steel reinforcement (which shall be paid under relevant item)				
	a) In foundations, rafts and slabs	Cu.M.	3		
5	Providing, erecting, fixing in position striking/removing and cleaning steel/timber shuttering & centering for form work in foundation & plinth at all locations for all shapes including chamfers, splays, keys, wedges, props, rails, bracings, brackets, cutting holes for pipes etc., providing & applying approved form oil on all surfaces of form work coming in contact with concrete including close hacking of all exposed concrete work after removal of form work, all materials, labour etc.complete as per specifications, drawings and as directed by the Engineer-in-charge. (Area of form work in contact with concrete shall only be measured for payment & stop boards for construction joints will not be measured for payment).				
	a) In foundations, rafts and slabs	Sq.m	40		
6	Reinforcement for RCC work at contractor's own cost including supplying, delivering and storing of various diameters as required at site of work transporting, decoiling, straightening, cutting, bending, placing in position at all depths, locations levels and binding with 18-20 gauge, soft drawn annealed steel binding wire complete as per specifications and drawings. (Cost of binding wire shall be borne by the contractor & binding wire shall not be measured for payment. Rate includes cost of testing of materials by Contractor as specified in the Specifications and IS)				
	a) H.Y.S.D. bars	Kg	400		
7	Brick work with non modular bricks of class designation 75 in Cement Mortar 1:6 in foundation & plinth to correct line, level and Plumb including scaffolding raking out joints/ simultaneous flush pointing with cement mortar 1:6, curing etc. complete as per specifications and drawings.				
	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	18		
8	Brick work 115mm, thick in partition walls' Brick work 115mm. thick in foundation and plinth at all depths as per drawing in Cement Mortar 1:4 to correct line, level & plumb using non modular bricks of class designation 75 with 115mm wide , including scaffolding raking out of joints, curing etc.complete as per specifications and drawings				
		Sq.m	5		
9	52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete				
		Sq.m	8		
10	Providing/water proof plaster 20 mm cement plaster of mix :				
		Sq.m	40		

SL.N o.	Description of Items	Unit	Qty	Rate	Amount
	1:4 (1 cement: 4 coarse sand)				
11	P/ water proof sand faced plaster 12 mm cement plaster finished with a floating coat of neat cement 1:3 (1 cement: 3 fine sand)	Sq.m	25		
12	Providing and laying non-pressure NP2 class (light duty) R.C.C.pipes with collars jointed with stiff mixture of cement mortar in the pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 100mm dia R.C.C. Pipes	Metre	12		
13	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	1		
14	Disposal of moorum/ building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for a distance upto 1 km for all lifts, complete as per directions of Engineer-in-Charge.	Cum	50		
15	Structural steel work welded in built up sections, Angles, tubular sections, trusses , prop, MS pipes etc. and framed work including cutting, hoisting, fixing in position and applying priming coat of approved steel primer all complete: as per drawing & instruction of Engineer-in-charge	Kg.	50		
16	Providing & Fixing of asbestos sheet for The roof gives a very smooth and lined look. The roof should be single slope will remain 100% leak proof and structural trusses and perlins etc. complete as per direction of Engineer-in-charge.	Sqm.	15		
17	Providing & Fixing Door, Window of MS frame with PVC shutters for doors and window panes of Glass and Fixing of 5mm thick clear annealed glass (Modi Guard make) fixtures and fasteners, handles, tower bolts, stay, etc complete in all respects as per drawing and design.	Sqm	10		
18	Painting -Texture coating is applied on exterior panels and Interior walls & ceilings are coated with paint in approved colour for the following:				
18a)	Finishing walls with textured exterior paint of required shade :New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm	Sqm	40		
18b)	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two or more coats on new work	Sqm	30		
19	Providing laying, jointing, fixing & testing of approved make and as per color code class - B, quality G.I pipes as per IS 1239 including fittings like elbows, collars, tees, unions, couplings, reducers, enlargers, bends and all other fittings required for completion including testing the pipes to 10 kg/cm ² pressure with minimum period of two hours duration with clean water, including laying under the floor, chasing in the walls roof slab and making good the same to original condition including cost of all jointing material like hemp yarn white or red lead clamps and wooden gutties screws cement sand etc. complete testing the pipe with clean water as per specifications complete with G.I fittings and clamps, including cutting and making good the walls etc. (internal work) Exposed on wall. The measurements shall be along the centre line of pipes and fittings . a) 15mm dia b) 20mm dia c) Ball valve-15mm d) Ball Valve 20mm	Rmt Rmt Each Each	7 8 2 2		
20	Providing and fixing 100mm SS <u>trap</u> of approved make and good quality on top of floor traps including all necessary Cement works all complete as directed by EIC	Each	3		
21	Providing and Fixing 15mm C.P. brass angle valve with C.P. copper connecting pipe 375 mm long and nuts, washer and brass flange complete, including cutting and making good the wall where required. (Jaquar ,Hindware)	Each	4		
22	Providing and fixing <u>6 mm thick beveled edge mirror</u> of Modi guard make 600 x 450 mm of superior glass (of approved quality) complete with 6 mm thick Kitply or approved marine ply ground fixed to wooden cleats with CP brass screws, washers complete all complete as directed by EIC	Each	1		

SL.N o.	Description of Items	Unit	Qty	Rate	Amount
23	Providing and fixing <u>G.I Inlet fitting</u> with one or two inlets fabricated from 100 mm dia. G.I Pipe and welded with G.I sockets and fixed to C.I trap and setting the same in cement concrete 1:2:4 (1 cement : 2 coarse sand 4: graded stone aggregate 20mm nominal size) complete. as directed by EIC	Each	3		
24	Providing and laying <u>cement concrete 1:2:4</u> mix (1cement : 2 coarse sand: 4 graded stone aggregate 20mm and down gauge) 75 mm in bed and around C.I soil and waste pipe including consolidation & curing, necessary form work, etc., all complete as per specifications & as directed by EIC.				
	a) 100 mm dia under floor for soil and waste pipe.	Mtr.	25		
25	Providing and fixing Naheni trap : 100mm dia centrifugally cast (spun) iron S&S.	Each	4		
26	Providing and fixing Ist quality ceramic glazed tiles conforming to IS : 13753 of minimum thickness 5 mm of approved make in all colours, shades except begundy, bottle green, black of any size as approved by Eningeer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of Cement Mortar 1:3 (1 Cement : 3 Coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	Sqm.	25		
27	Providing and fixing white Vitreous China pedestal type water closet (European type) with seat & lid, with C.P. brass hinges and rubber buffers, 10 litres low-level flushing cistern with fittings & C.I./MS brackets, 40mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting & making good the walls and floors where required.	Each	1		
	W.C. pan with white plastic seat and lid with white PVC flushing cistern & C.P. flush bend.				
28	Providing and fixing white vitreous china flat back or half stall urinal of 580x380x350mm with automatic flushing cistren(of approved make) with fittings, C.I/M.S brackets standard size C.P brass flush pipe, spreaders with unions and clamps (all in C.P brass) with waste fitting as per IS: 2556, C.I trap with outlet grating and other couplings in C.P brass including painting of fitting and brackets, cutting and making good the walls and floors wherever required				
	Range of two half stall urinals with 5 litre P.V.C automatic flushing cistren	Each	1		
29	Providing and fixing glazed vitreous china wash basin of approved make and whitecolour basin comprising of :				
	a) Best Indian Flat back wash basin suitable for over or under counter installation 550 x 400 mm with supported on suitable wall brackets.				
	b) one no heavy quality 15mm nb CP brass single hole mixing pillar cock with jam nut conforming to IS 1795				
	c) one no ,15mm nb heavy quality CP brass inlet connection with brass union ends	Each	1		
	d) one no ,15mm nb heavy quality CP brass screwed down stop cock conforming to IS 781 CP brass inlet connection with brass union ends				
	e) one no. , 32mm nb heavy quilty CP brass waste with rubber plugs & CP chain.				
	f) one no. 32 mm nb CP brass heavy quality bottle trap with extension piece and wall flange etc. complete dripless of approved make				
30	Providing and fixing towel rail complete with brackets fixed to wooden cleats with C.P brass screws				
	a) C.P brass towel rail with two C.P brass brackets 600 x 20 mm size.	Each	1		
31	Providing and fixing C.P brass concealed stop cock (heavy) 15 mm size of approved quality conforming to is:781	Each	2		
32	Providing and fixing C.P brass short body bib cock of approved quality .				
	a) 15 mm nominal bore	Each	2		

SL.N o.	Description of Items	Unit	Qty	Rate	Amount
33	Providing laying and fixing in position under floors or against walls centrifugally cast (spun) iron or sand cast iron socket and spigot soil, waste, ventilation pipes and fittings including cost of all fittings like bends, offsets, tees, tapers, collars, connectors, plugs, shoes etc. conforming to IS 3989 and IS 1729 respectively including cost of jointing with tarred spun jute yarn and molten piglead caulking the joints including testing, painting with two coats of approved shade enamel painting etc all complete. The measurements will taken along the centre line of pipes & fittings or specials.				
	a) 100 mm dia	Each	1		
34	Providing and fixing sand cast iron trap of self cleansing design with sand cast iron screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors wherever required.				
	a) 100 mm inlet and 100 mm outlet	Each	1		
35	Providing and fixing G.I inlet fitting with one or two inlets fabricated from 100 mm dia. G.I Pipe and welded with G.I sockets and fixed to C.I trap and setting the same in cement concrete 1:2:4 (1 cement : 2 coarse sand 4: graded stone aggregate 20mm nominal size) complete.	Each	1		
36	Providing and laying cement concrete 1:2:4 mix (1 cement : 2 coarse sand: 4 graded stone aggregate 20mm and down gauge) 75 mm in bed and around C.I soil and waste pipe.				
	a) 100 mm dia under floor including shuttering and soil and waste pipe.	Each	1		
37	Providing and fixing and erecting at all floors and levels PVC water storage tanks with inlet outlet, overflow connections, brass float valve of approved quality, with lockable type cover, complete fittings such as gate valves etc. complete in all respect and base support (Steel Structure) upto 8ft Ht for tank.				
	a) 500 ltrs. Cap(01Nos.)	Each	1		
38	Construction of GM valve chambers comprising 230mm thick brick masonry in CM 1:4, internal size 450x450mm, over 150mm thick CC 1:4:8 foundation plastering with CM and waterproofing compound smooth finish with a floating coat including providing and fixing CI frame with cover no less than 7 kg painted with 2 coats of approved shade as per specifications.	Each	1		
39	Providing laying and jointing salt glazed stone ware pipes grade 'A' or 'AA' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete.				
	a) 100 mm dia	Mtrs.	10		
40	Providing and laying cement concrete 1:3:6 (1 cement: 3 fine sand 6 graded stone aggregate 20 mm nominal size) around S.W /RCC uPVC pipes including bed concrete as per standard design.	Cum	3		
41	Providing and fixing square mouth S.W gully trap grade 'A' complete with grating brick masonry chamber with bricks of class designation 75 and water tight C.I cover with frame of 300 x 300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design.				
	a) 150 x 100 mm size 'P' type	each	3		
42	Constructing brick masonry manhole 900mm dia circular with bricks of class designation 75 in cement 1:5 (1 cement :5 fine sand) RCC top slab with 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:4:8 mix (1 cement: 4 coarse sand: 8 graded stone aggregate 20 mm nominal size) inside and outside plastering 12 mm thick with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement with water proofing compound inside and sand faced plaster on outside and making channels in cement concrete 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design				
	Inside size 90 x 80 cms and 60 cms deep including suitable C.I. Cover with frame (medium duty) 900mm circular dimensions total weight of cover and frame all complete as per specification and as directed by EIC	Each	2		

SL.N o.	Description of Items	Unit	Qty	Rate	Amount
43	Making connection of drains of sewer line with existing man hole, breaking into & making good the walls floors with cement concrete 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) cement plaster on both sides with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement & making necessary channels for the drains etc. complete. a) For pipes 100-230 mm dia	Each	2		
44	Providing and fixing vertical post(circular pipe) of approved size by welding etc. to trussand MS frame work and similar works,including applying priming coat of approved steel primer all complete as per Direction of Engineer - in - charge. M.S.pipe	Kg	450		
45	Steel work in builtup tubular trusses (round,square or rectangular hollow tubes etc.) including cutting,hoisting fixing in position and welded ,and bolted including special shaped washer etc.and applying priming coat of approved steel primer etc all complete as per Diirection of Engineer-in-charge. Hot finished wided type tube	kg	1800		
46	Providing & fixing UV stabilised fiberglass reinforced plastic sheetroofing up to any pitch, including fixing with polymer coated 'J' or 'L'hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets hall be manufactured out of 2400 TEX panel rovigs incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866.The sheets shall be opaque or translucent,clear or pigmented, textured or smooth as specified. 2 mm thick flat	Sqft	1000		
47	Providing and fixing PTMT swivelling shower, 15 mm nominal bore,weighing not less than 40 gms .	Each	1		
48	Providing & FixingC.P. brass stop cock(concealed) of standard design and approved make .:15mm nominal bore	Each	1		
				Total Amount	
				Add GST @18%	
				Net Total Amount	
Consultant Engineer				Seal & Sign of Agency	