

## **TENDER DOCUMENT**

**Name of work:**      **Renovation of wash rooms in Main Building at NIPGR Campus New Delhi.**

**CLIENT:**              **DIRECTOR, NEW DELHI**

## **TENDER DOCUMENT**

**Name of work:**       **Renovation of wash rooms in Main Building at NIPGR Campus New Delhi.**

**Owner:**               **Director, NIPGR New Delhi**

**Tender Issued to :**

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

**Date & time of submission of tender documents: 12.03.2024 up to 1500 hrs.**

**Date & Time of Opening of Tenders: 13.03.2024 at 1500 hrs.**

**Consultant Engineer  
NIPGR**

## TENDER FORM

To

**The Director  
NIPGR CAMPUS, New Delhi.**

**Dear Sir,**

**I/We have read and examined the following Tender Documents relating to "Renovation of wash rooms in Main Building at NIPGR Campus New Delhi."**

- Notice Inviting Tender
- General Conditions
- Instructions to Bidders
- General Information
- Memorandum
- General Conditions of Contract Agreement
- Special terms & conditions of contract.
- Instructions for On-line Bid Submission
- Special Instructions to bidders for registration with Competent Authority
- Terms & Conditions
- Annexure – I, II, III, IV & V
- List of Approved Makes : Civil Works
- Schedule of Quantity (not to be filled)

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**  
(Department of Biotechnology, Ministry of Science and Technology, Govt. of India)  
Aruna Asaf Ali Marg, New Delhi-110067  
Phone: 011-26735161, 26735138 Fax: 011-26741658

**NOTICE INVITING TENDER**  
(Tender No.: NIPGR/Engg./7/1(5)/2023-24)

Online items rate tenders (in two bid system) are invited on behalf of the Director, NIPGR, Aruna Asaf Ali Marg, JNU Campus, New Delhi – 110067, from the eligible contractors who has experience in "Renovation of wash rooms including tiling, sanitary & plumbing works" with Govt. departments or other reputed organizations.

**Name of work: Renovation of wash rooms at NIPGR Campus, New Delhi.**

Sl. No.	Estimated Cost (In Lacs)	E.M.D.	Time for Completion	Last date & Time of receipt of Tender	Date & time of opening of tenders
1.	2.		3.	4.	5.
1.	Rs. 1,06,27,000.00	Rs. 2,12,540.00	90 days	12.03.2024 15.00 Hrs.	13.03.2024 15:00 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 earnest money shall be in the form of Demand Draft or Bank Guarantee issued by any of the Commercial Bank in favour of the Director, NIPGR, New Delhi so as to deposit in NIPGR office latest by 12.03.2024 at 1500 hrs.

Tender documents can also be downloaded on line free of cost from our website [www.nipgr.ac.in](http://www.nipgr.ac.in) and Govt. CPP Portal <https://eprocure.gov.in/cppp/>

The bids will be accepted in respect of those contractors having successfully completed at least three similar works of each value not less than Rs. 42.51 lakhs OR two similar works of each value not less than Rs 63.76 lakhs OR one similar work of value not less than Rs. 85.02 lakhs during the last seven years ending Jan-2024 and having annual financial turnover of Rs. 107 Lakhs during the last three years duly certified by the Statutory Auditors. Similar works means "Renovation of wash rooms including tiling, sanitary & plumbing works" in Government organizations / Govt. Autonomous Organizations / PSUs.

Intending tenderers must enclose self-attested copies of Completion Certificates, Work Order / Letter of Acceptance & Schedule of Quantity / B.O.Q. of having completed the work satisfactorily issued by an appropriate competent authority.

Submission of complete tender documents duly signed and stamped with Technical Bid, by the tenderer is mandatory.

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

Consultant Engineer  
NIPGR

(Seal & Signature of Contractor)

## GENERAL CONDITIONS

1. Online tenders are hereby invited from the eligible bidders for the work of **"SUB.: Renovation of wash rooms at NIPGR Campus New Delhi."** Tender documents can be downloaded from our website [www.nipgr.ac.in](http://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.
2. The time allowed for the completion of said work is **90 Days** from the date of written order.
3. The Tenderer will submit his tender on-line in prescribed format after examining the tender documents, scope of work, specific conditions of contract, Instructions to bidders, General Information, Terms and Conditions of contract agreement, technical specification, Price Bid, special terms and conditions of contract, specific conditions of contract.
4. The tender shall be submitted online in two parts, viz., technical bid and Financial bid. Submission of complete tender document duly stamped and signed by tenderer with technical bid is mandatory.
5. The offer shall remain valid for 90 days from the date of opening of Tender. The validity of rates is further extendable for a period of 180 days from the date of issue of award letter with mutual consent of both the parties.
6. The tenderer shall submit a copy of the audited balance sheets of the last three financial years.
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 Letter of Commencement, the E.M.D. / Performance Security of the agency shall be forfeited / encashed.
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 as well as for the transportation of samples.
9. NIPGR will not pay any expense, whatsoever incurred by tenderer for the preparation and submission of tenders as well as for the transportation of samples.
10. This notice inviting tender, letter of acceptance & letter of commencement, etc., will form part of the contract agreement to be executed by the successful tenderer.
11. All the correspondence on the tender shall be addressed to the Director, NIPGR, Aruna Asaf Ali Marg, New Delhi and any communication addressed to anyone else shall not in any manner be binding upon the NIPGR, Aruna Asaf Ali Marg, New Delhi.
12. The submitted documents / certificates may be verified with originals after opening of Technical Bid.

**Consultant Engineer  
NIPGR**

**Accepted  
(Seal & Signature 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. 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 the period mentioned in the tender notice, in such cases the Institute reserves the right to reject the bid and take any other action as deemed appropriate. In case the successful tenderer after award of tender fails to perform as per contract or violates any condition of tender, the Agency shall be suspended from being eligible for bidding in any contract with the NIPGR, New Delhi for the period of 2 years starting from the last date of receipt of this bid/tender. The validity of accepted rates is further extendable from the date of issue of award letter with mutual consent of both the parties for 180 days.

### **7. TENDERER TO STAMP & 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 also signed a certificate of site visit enclosed as per Annexure 'II' 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.

### **10. EARNEST MONEY:**

Earnest Money Deposit of Rs. 2,12,540.00 (Rs. Two lakhs twelve thousand five hundred forty only) to be furnished with the tender in the form of the demand draft or Bank Guarantee issued by Commercial Bank (No interest is payable on Earnest Money).

#### **11. TENDERER TO QUOTE BOTH IN FIGURES AND WORDS:**

The bidder shall quote their rates for all the items both in figures as well as words given as per the attached format of Price bid. 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 tender document and/or expressly prohibited therein or stipulate additional/alternative conditions shall be liable to be rejected. Tenders shall also be liable for rejection on any of the following grounds: -

- i) Tenders containing remarks uncalled for.
- ii) Conditional tenders
- iii) Tenders not submitted on prescribed Performa.
- iv) Telegraphic/Fax/Postal tenders.
- v) Tenders submitted without E.M.D. or Bank Guarantee.
- vi) Incomplete tenders
- vii) Tenders submitted by the agency who has any unresolved dispute of any kind.
- 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 this event the agencies / bidders shall be debarred from tendering with the Institute.

#### **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**

**(Seal & Signature of Contractor)**

## GENERAL INFORMATION

1. Accepting Authority Director, NIPGR  
New Delhi.
2. Earnest Money Deposit For Rs. 2,12,540.00 (Rs. Two lakhs twelve thousand five hundred forty only) to be furnished with the tender in the form of the demand draft or Bank Guarantee issued by Commercial Bank (No interest is payable on Earnest Money)
3. Performance Security deposit The contractor shall be required to deposit an amount equal to 10% 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. Performance security may be submitted in the form of Demand Draft / Bank Guarantee issued by Commercial Bank (No interest is payable on Performance Security).
4. Authority competent to grant extension of time Director, NIPGR
5. Tools & plants To be arranged by contractor
6. Authority competent to reduce the compensation amount Director, NIPGR
7. Defect Liability Period 12 months from the date of acceptance of completion by the Institute.
8. Release of Performance Security The performance security shall be refunded to the contractor after completion of the defect liability period and recording of completion certificate by Institute
9. Authority Competent to Appoint Arbitrator Director, NIPGR
10. Authority Competent to reduce the compensation amount Director, NIPGR

Consultant Engineer  
NIPGR

(Seal & Signature of Contractor)

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## MEMORANDUM

- a) Name of work **Renovation of wash rooms in Main Building at NIPGR Campus New Delhi.**
- b) Estimated cost **Rs. 1,06,27,000.00**
- c) Earnest money **Rs. 2,12,540.00 (Rs. Two lakhs twelve thousand five hundred forty only) to be furnished with the tender in the form of the demand draft or Bank Guarantee issued by any of the Commercial Bank (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) **90 Days**

**Place  
Date:**

**(Seal & Signature of Contractor)**

## GENERAL CONDITIONS OF CONTRACT AGREEMENT

### 1. PERFORMANCE SECURITY

The bidder / bidders 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 Institute, by way of performance security. In case, the agency has failed to comply with the terms & conditions of tender, the performance security of agency shall be forfeited.

### 2. COMPENSATION CLAUSE

The time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor, and shall be reckoned from the 10<sup>th</sup> day of the date on which the order to commence the work is given to the contractor, and within ten days of award of work the contractor. The work on the contract shall be executed according to the approved drawings as aforesaid and shall throughout the stipulated period of the contract be proceeded with all due diligence (time being deemed to be the essence of the contract on the part of the contractor) and the contractor shall pay as compensation **with maximum rate @ 1% (one percent) maximum per month of delay to be computed on per day basis based on quantum of damage suffered due to stated delay on the part of Contractor.** 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 Agency, is however; empowered to reduce the amount of compensation and his decision in writing shall be final.

### 3. 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 NIPGR, within 15 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.

### 4. COMPLETION OF WORK

Without prejudice to the rights of NIPGR under any clause hereinafter contained on completion of the work, the contractor shall be furnished with a certificate by NIPGR or his representative 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, 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.

### 5. ADDITIONS/ALTERATIONS/ DEVIATIONS

The 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 writing signed by the 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

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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.

All tenderers are required to quote as per specifications stipulated hereunder. Rates for all items shall be quoted as specified hereunder. After the award of the contract, the work shall be carried out as per approved samples. Rates for extra/substituted items, should they become necessary during the execution of the work shall be settled on analysis of rate to be submitted by the contractor for such items.

Quantities in the B.O.Q. or estimated quantities which can vary up to any extent during the execution of the work. Payment shall be made as per actual quantum executed without any change in the contracted rate due to variation in quantity, if any.

#### **6. CARRYING OUT OF WORK**

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

#### **7. QUALITY CONTROL OF MATERIAL**

If it shall appear to the authorized representative of the Institute, that any work has been executed with unsound, imperfect, or unskillful workmanship or with materials or articles provided by him for the execution of the work are unsound, or of a quality inferior to that contracted for or otherwise not in accordance with contract, the contractor shall on demand in writing from the authorized representative of the Institute specifying the work materials or articles complained of not with standing that the same may have been inadvertently passed, certified and paid for forthwith rectify, or remove & reconstruct the work so specified in whole or in part, as the case may require, or as the case may remove the materials or articles so specified and provide other proper and suitable material or articles at his own charge and cost and in the event of his failing to do so within a period to be specified by authorized representative of the Institute, in his demand as aforesaid then the contractor shall be liable to pay compensation at the rate of 1% on the contract agreement of work for everyday till rectify or remove, and re-execute the work or replace with other, materials or articles complained of as the case may be at the risk and expense in all respects of the contractor.

#### **8. INSPECTION OF WORK**

All work under or in course of execution or executed in pursuance of the contract shall at all times be open to the inspection and supervision of authorized representative of the Institute, or his subordinate in-charge of the work and the contractor shall at all times, during the usual working hours and at all other times at which reasonable notice of the intention of the Engineer to visit the works shall have been given to the contractor, either himself be present to receive order and instructions or have a responsible agent duly accredited in writing present for that purpose. Orders given to the contractor's agent shall be considered to have the same force as if they had been given to the contractor himself.

The work during its progress shall be inspected by the authorized representative of the Institute and the contractor shall extend all co-operations to the engineers inspecting the work.

#### **9. AGENCY'S RISKS**

All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the contract other than the excepted risks are the responsibility of the contractor.

Consultant Engineer  
NIPGR

(Seal & Signature of Contractor)

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## SPECIAL TERMS AND CONDITIONS OF CONTRACT

### **1. SPECIFICATIONS:**

If specifications for an item of work are not covered as per approved Specifications (CPWD / BIS) of tender, the same shall be decided by the Institute 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 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 specification of tender documents the decision of the Institute 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, royalty and other taxes, etc. However, if any fresh taxes are imposed by State/Central/Statutory bodies during the currency of contract, the same shall be borne by Institute.

### **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. JURISDICTION:**

Not with standing 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 and only the said court shall have jurisdiction to try any such actions and/or proceedings to the exclusion of all other courts.

### **5. SITE WORKING RULES AND REGULATIONS:**

a) The contractor shall furnish 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.

### **6. SCOPE OF WORK**

The scope of work is as per schedule of Bill/quantity. All aspects of Firefighting including site alignment. Electric supply and water, if any, required for the execution of work shall be provided by institute from one point free of cost.

### **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. NO WORK SHALL BE UNDERTAKEN WITHOUT APPROVED WORKING DRAWINGS:**

No work shall be undertaken at site by the contractor until detailed working drawings submitted for approval to marked "Good" for execution/construction is issued by the NIPGR in writing. Any work done without the aforesaid working drawing shall be at the contractor's own risk and costs.

**9. TIME LIMIT :** The entire work is required to be completed within 90 days after the date of award of contract.

## **10. SUBMISSION OF BILLS:**

Payment can be made to the Contractor on a running account bill for the work done & measurements submitted by him on pro-rata basis. Final payment shall be made after completion of work.

## **11. ACTION AND COMPENSATION PAYABLE IN CASE OF BAD WORK:**

If it shall appear to NIPGR, or our 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 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 NIPGR in his demand aforesaid, **then the contractor shall be liable to pay compensation with maximum rate @ 1% (one percent) maximum per month of delay to be computed on per day basis based on quantum of damage suffered due to stated delay on the part of Contractor** not exceeding ten days while his failure to do so that continue and in the case of any such failure 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.

1. The works shall be inspected by 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 representative of NIPGR shall be binding on the contractor.

2. 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.

## **12. ARBITRATION**

Except where otherwise provided in the contract all questions and disputes relating to the meaning of the specifications, designs, drawings and instructions here in before mentioned and as to the quality of workmanship or materials used on the work or as to any other question, claim, right, matter or thing whatsoever, in any arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works, or the execution or failure to execute the same whether arising during the progress of the work or after the completion or abandonment thereof shall be referred to the sole arbitration of the person selected from out of a panel of names to be supplied upon a request in writing by party invoking the arbitration by the Director, NIPGR, at the time of the dispute. It will be no objection to any such appointment that the arbitrator so appointed was associated with the work and that he had to deal with the matters to which the contract relates and that in the course of his duties in association with the Consultant Engineer, NIPGR, he had expressed views on all or any of the matters in dispute or difference. The arbitrator to whom the matter is originally referred being unable to act for any reason, the Director shall appoint another person to act as arbitrator in accordance with the terms of the contract. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor. It is also a term of this contract that no person other than a person appointed by the Director as aforesaid shall act as arbitrator. In all cases where the amount of the claim in dispute is Rs. 50000/- (Rs. Fifty thousand only) or above, the arbitrator shall give reasons for the award.

Subject as aforesaid the provisions of Arbitration and Cancellation Act 1996 or any statutory modifications or reenactment thereof and the rules framed there under and for the time being in force shall apply to the arbitration proceeding under this clause.

It is also a term of the contract that while invoking arbitration the party invoking arbitration shall specify the dispute or disputes to be referred to arbitration under this clause together with the amount or amounts claimed in respect of each such dispute.

It is also a term of the contract that if a party does not make any demand for arbitration in respect of any claim(s) in writing within 180 days of receiving the intimation from the Consultant Engineer that the bill is ready for payment, the claim if any, shall be deemed to have been waived and absolutely barred and the owner shall be discharged and released of all liabilities under the contract in respect of these claims.

The Arbitrator should be of the rank of retired / working Chief Engineer (CPWD) or (B & R) Delhi or equivalent post. The contractor will be entitled to file only those claims for arbitration which had already been raised before the Engineer and rejected by him time to time during the execution of work.

**Consultant Engineer**  
**NIPGR**

**(Seal & Signature of Contractor)**

## Instructions for Online Bid Submission

1. The tender documents are available on our website [www.nipgr.ac.in](http://www.nipgr.ac.in) & [www.eprocure.gov.in](http://www.eprocure.gov.in) and same can be downloaded.
2. Tender documents may be downloaded from ITPO's website [www.nipgr.ac.in](http://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

7. 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.
8. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
9. 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.

10. 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.
11. 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.
12. 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**

13. 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.
14. 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.
15. 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.

16. 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.
17. 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.
18. 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**

19. 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.
  20. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
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21. 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.
22. 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.
23. 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.
24. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
25. 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.
26. 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**

27. 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.

**SPECIAL INSTRUCTIONS TO BIDDERS FOR REGISTRATION  
WITH COMPETENT AUTHORITY**

**Bidders Registration**

- 1) Any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the Competent Authority constituted by the Department for Promotion of Industry and Internal Trade (DPIIT).
- 2) **"Bidder"** for the purpose of this tender (including the term 'tenderer', 'consultant' 'vendor' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency, branch or office controlled by such person, participating in a procurement process.
- 3) **"Bidder from a country which shares a land border with India"** for the purpose of this tender means:
  - a) An entity incorporated, established or registered in such a country; or
  - b) A subsidiary of an entity incorporated, established or registered in such a country; or
  - c) An entity substantially controlled through entities incorporated, established or registered in such a country; or
  - d) An entity whose beneficial owner is situated in such a country; or
  - e) An Indian (or other) agent of such an entity; or
  - f) A natural person who is a citizen of such a country; or
  - g) A consortium or joint venture where any member of the consortium or joint venture falls under any of the above
- 4) **"The Beneficial owner"** for the purpose of (3) above will be as under:
  - 1) In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person(s), has a controlling ownership interest or who exercises control through other means.

Explanation: -

    - a) "Controlling ownership interest" means ownership of, or entitlement to, more than twenty-five per cent of shares or capital or profits of the company;
    - b) "Control" shall include the right to appoint the majority of the directors or to control the management or policy decisions, including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;
  - 2) In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;

**Tenderers Signature and Seal**

- 3) In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;
- 4) Where no natural person is identified under (i) or (ii) or (iii) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
- 5) In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

**“An Agent”** for the purpose of this Order is a person employed to do any act for another, or to represent another in dealings with third persons.

#### **Sub-contracting in works contracts**

In works contracts, including turnkey contracts, contractors shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

**\*Please note that the bidders shall provide the mandatory Certificates in the following formats on their registered Company's letter heads:**

#### **Certificate for Tenders involving procurement**

“I/We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I/we certify that we are not from such a country or, if from such a country, have been registered with the Competent Authority. I/we hereby certify that we fulfill all requirements in this regard and are eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]”

#### **Certificate for Tenders for Works involving possibility of sub-contracting**

“I/We have read the clause regarding restrictions of procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I/we certify that we are not from such a country or, if from such a country, have been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I/we Hereby certify that we fulfill all requirements in this regard and is/are eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]”

**Tenderers Signature and Seal**

## TERMS & CONDITIONS

**Name of Work: - Renovation of wash rooms in Main Building at NIPGR Campus New Delhi.**

1. The firm's office establishment should be based in NCR/Delhi.
  2. The site of the work is at NIPGR Campus, Aruna Asaf Ali Marg, New Delhi-110067.
  3. The bidder must visit the site before quoting the rates and make him acquainted with the location of site. The Institute shall entertain no extra claim later on.
  4. The rates are inclusive of Transportation/travelling, lodging/boarding, loading, unloading & handling and nothing extra will be paid.
  5. The rates shall be inclusive of GST & other taxes and nothing extra will be paid, **however rate and amount of GST charged should be shown separately in Financial Bid.**
  6. The agency must get the prior approval of the material from the Institute.
  7. The agency shall have to arrange his own tools & plants including skilled & non-skilled manpower, testing apparatus etc. required for execution of work and nothing extra will be paid.
  8. The payment shall be made after completion of work after deductions of taxes at source as per Rules; no advance payments will be made.
  9. The work must be completed within 90 days from the date of issue of work order.
  10. Execution of all the items will be done in the presence of Engineer-in-Charge or his authorized representative.
  11. All papers attached with this tender should be signed by tenderer & may be verified with original. Tender shall be submitted in prescribed format issued by the department.
  12. The performance security deposit @ 10% shall be deposited by the contractor before the start of work as performance security and shall be refunded after completion of defect liability period.
  13. All safety precautions shall be taken so as to avoid any accident or inconvenience to the members of the staff.
  14. All works along with material supplied shall be guaranteed for 12 months or for the period of standard guarantee & handover to the department. Against unsatisfactory performance and/or breakdown the equipment or component or any other part of the work so found defective in guarantee period shall be repaired by the contractor free of cost to the satisfaction of Engineer-in-Charge.
  15. Any alteration / modification / Civil works pertaining to renovation of wash rooms work shall be done free of cost by the contractor in good manner etc.
  16. In case the site clearance and damages are not attended, a recovery as per actual cost shall be made.
  17. Agency shall inform to the Institute in advance with schedule of work for taking over the site to start the work.
  18. The below standard work shall be redone and nothing extra will be paid.
  19. Acceptable makes : As per enclosed list of Civil work.
  20. In case of any part taken out dismantle material during the work, the same shall be handed over to the Institute.
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21. The Institute reserves the right to reject/accept any or all tender without assigning any reason.
22. The Institute also reserves the right to reduce/ increase the scope of work/item of work or delete a particular item.
23. In case of any dispute, the decision of the Institute shall be final & binding on the agency.
24. Any damage to the existing installations during the execution of work will be the responsibility of the agency and will be made good to the satisfaction of the Institute and nothing extra will be paid. In case the site clearance and damages are not attended, a recovery shall be made as per Institute rules.
25. Any kind of accident / electrocution caused due to negligence or during the course of normal work etc. shall be responsibility of the agency and nothing extra will be paid.
26. All safety precautions shall be taken so as to avoid any accident or inconvenience to the members of staff. The agency shall coordinate the work with the Institute's timing schedule.
27. A copy of the GST & PAN No. issued by the concerned authority must be enclosed with the tender.
28. The Tender must be accompanied with E.M.D. amounting to Rs. 2,12,540.00 (Rs. Two lakhs twelve thousand five hundred forty only) by way of Demand Draft or Bank Guarantee in favour of "DIRECTOR, NIPGR", New Delhi. The EMD will however be released after completion of work.
29. Tender not accompanied with E.M.D. will not be considered.
30. In case, the agency fails to comply with terms & conditions the E.M.D. & Performance Security of the agency shall be forfeited.
31. No escalation over & above item rates quoted by the tenderer shall be paid during the execution of contract due to whatsoever reasons.
32. **Performance of the system:** On receipt of the work order, the contractor will submit necessary sample and other details to carry out the job. Only after getting approval from NIPGR, the contractor should go ahead with procurement and execution fabrication etc. The contractor on completion of the work will amply demonstrate the system and design parameters. He should supply the manufacturer's certificate /instructions, Test certificate, manual along with material/equipment of concerned items.
33. In case the work is delayed beyond the specified completion period for reasons attributed to the contractor, deductions on account of Liquidated damages @ 1 % of the contract value per day will be deducted subject to a maximum of 10% of the total contract value. However, in case the works are delayed beyond the scheduled completion/contract period, NIPGR reserves the right to get the work done by any other contractor at the risk and cost of the contractor and amount to this affect along with 10% overhead will be deductible from his bills/dues.
34. **Specifications:** Contractor is to follow relevant Indian standards codes for fire, electricity, safety and building rules. Where not specified will be as per the best industry practices, ISI marked or CPWD Technical Specifications whichever is superior. In case of any variation in specifications at different places in NIT, the best /richer specification will be considered. However, decision of NIPGR will be final.
35. Kindly note that payment shall be made as per the actual quantities executed and not on the basis of items supplied. The final payment will only be made on the basis of the actual work / quantities executed and for this a joint measurement by NIPGR and the contractor will have to be taken. The responsibility and the facilitation for taking the measurements will rest with the contractor. It is entirely contractor's responsibility to take dimensions, sizes from site, design the system and take NIPGR approval before actually proceeding with supply and installation of the same at site.
36. The Work shall be done as per schedule of items, specification terms and conditions and instruction of Engineer-in-charge on as and when required basis.

38. The Contractor shall clean the site after completion of work. Any dismantled material shall be stacked in a designated place as instructed by the Engineer-in-charge.
39. Charges for scaffolding or jhula if any, will be considered included in the quoted rates and no extra amount will be paid on this account.
40. Contractor should depute a qualified supervisor dedicated for this site, who will co-ordinate work execution of activities and interact with the NIPGR representative responsible for supervision of work. Without a Supervisor, work will not be allowed. All the persons deployed at NIPGR site should carry valid gate-passes. Any negligence/offence on their part will attract immediate removal from site.
41. The contractor will provide for all necessary materials, tools, equipment, measuring instruments and working consumables etc., needed for execution of the works. Safe custody of all such material will be contractor's sole responsibility. No extra charges will be paid for the same.
42. Watch and Ward of all material till the system is taken over by NIPGR shall be the sole responsibility of the contractor and pilferage etc. shall be entirely to his account.
43. During execution of work, the contractor should follow all standard norms of safety measures / precautions to avoid accidents / damages to man, machines and buildings. On non-adherence of this clause, suitable fines as decided by the Director, NIPGR shall be imposed.
44. Challan: No material belonging to the contractor whether consumable or non-consumable should be brought inside the NIPGR campus without proper entry at the main gate nor any material should be taken out without proper gate pass issued by the NIPGR. List of all inwards / outwards challan to be maintained by the contractor with a copy mark to NIPGR.
45. NIPGR will provide water and electricity during installation work at NIPGR at one point. The contractor has to make his own arrangements for distribution of power and water from that point as per his requirements.
46. Termination of Contract: The Director, NIPGR reserves the right to terminate the contract on account of poor workmanship, failure to mobilise the site within 30 days, non-compliance of set norms/ specifications for the works, delay in progress of work, violation of any contract provisions by the contractor. In such case the contractor is liable to pay liquidated damages @ 10% of tendered value besides performance security & EMD.

#### **SAFETY PRECAUTIONS**

- i) A competent and authorized Supervisor/Erector shall be on the site whenever the successful bidder's men are at work. The supervisor/Erector should ensure that all plant and machinery used on the site are rendered safe for working and meets with the Indian or International safety standards applicable for the use and operation of such machinery. The supervisor/erector should also ensure that the workmen at site are made to use safety appliances such as safety belts, life lines, helmets, etc.
- ii) It is entirely the responsibility of the successful bidder to practice the principles of 'SAFETY FIRST' during the entire tenure of work with adequate insurance covering injury or death of workmen, loss by theft or damage to materials and property and third party.
- iii) The successful bidder should clear the site of all debris every day to avoid accidents. In case this is not done, the Owner may engage necessary labor to maintain the cleanliness of the premises and removal of debris and recover all or part of the expenditure so incurred from the successful bidder.
- iv) The successful bidder shall, at his own cost, ensure that all of his personnel, employees, workmen and other associated persons working with him at the site are adequately insured as per law or laws and statutory provisions. The successful bidder shall be responsible for all injuries/damages to men, materials and properties etc., which may arise from the operations or negligence of himself and/or his sub-contractor and indemnify NIPGR for all such expenses, which shall be solely to successful bidder's own account.'

#### **47. INSURANCE**

The successful bidder shall, at his own expense, arrange for insurance policies, such as Workmen Compensation Policy and Bidder's All Risk Policy in the amount of the Contract effective from the date of commencement of work until final completion, against all of the following risks.

i) Injuries and damage of persons, property, animals or things, within or outside the site, arising out of his operations or of any sub-contractors, nominated or otherwise or out of any actions of his employees, agents or representatives.

ii) Injuries to his or any sub-contractor's employees.

iii) Damage to or loss of property, equipment, and materials at site, of the Owner, Bidder and all sub-contractors, as a result of natural causes such as lightning, storm, flood, rain, fire, earthquake, explosion, landslide, etc.

iv) Damage and injuries to persons, property and materials arising out of riot and civil commotion, theft, sabotage malicious acts, terrorist activities, etc.

v) No certificate of payment shall be issued by NIPGR if the Bidder fails to arrange for total insurance cover.

vi) The bidder shall reinstate in a manner approved by the Project Manager, all damage of every sort entirely at his cost, so as to deliver up to the Owner the whole of the works complete and perfect in all respects and so certified by the NIPGR and also be made good or otherwise satisfy all clause for damage to the property of third parties.

vii) The bidder shall be responsible for anything within his control and for all risks and consequences, which are not included in the purview of the insurance policies.

viii) The insurance shall be extended until final completion.

ix) The bidder undertakes not to cancel any insurance policy or reduce its scope without the written consent of the NIPGR.

**Consultant Engineer  
NIPGR**

**(Seal & Signature of Contractor)**

**(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 / not on holiday list 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. Department/Govt. Autonomous Bodies/Institutions, etc.;
- (c) I/We have never been certified as 'Unsatisfactory Performer' for the said services provided to the Govt. Department/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 "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 take action as deemed appropriate against me/us.

**(Signature of Authorized Signatory with Company Seal)**

**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 time and also that we will be able to execute the work suit to the site conditions.

**(Signature of Bidder with Seal)**

**Name:**

**Address:**

**Date:**

**Consultant Engineer**

**CHECK-LIST FOR PRE-QUALIFICATION BID FOR NAME OF WORK: Renovation of wash rooms in Main Building at NIPGR Campus New Delhi.**

Sl. No.	Documents asked for	Page number at which document is placed
1.	Earnest Money / Bank Guarantee	
2.	Tender Documents	
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 Rs.100/- (as per format prescribed in Annexure-I)	
5.	Certificate for Site Inspection with seal & signature of agency.	
6.	Self-attested copy of the PAN & GST, issued by the Income Tax Department.	
7.	Proof of experiences / Completion Certificates of last seven years ending Jan-2024 as specified in the NIT along with satisfactory performance certificates and work order copy from the concerned employers.	
8.	Annual turnover of last three financial years during the last three years duly certified by the Statutory Auditors.	
9.	Certificate for Tender's involving procurement on letter head of company/firm as per Annexure – IV	
10.	Certificate for Tenders for Works involving possibility of sub-contracting on letter head of the company/firm as per Annexure-V	
11.	Copy of E.M.D. in form of D.D. or Bank Guarantee from any commercial bank or copy of registration with MSME & NSIC for the desired activities / services are exempted for submission of EMD.	
12.	Any other documents, if required.	

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

**Certificate for Tenders involving procurement**

“I/We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I/we certify that we/our principles are not from such a country or, if from such a country, have been registered with the Competent Authority. I/we hereby certify that we fulfill all the requirements in this regard and are eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]”

**(Signature of Authorized Signatory with Company Seal)**

Note: The Certificate should be printed on the Company's letter head.

**Certificate for Tenders for Works involving possibility of sub-contracting**

“I/We have read the clause regarding restrictions of procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I/we certify that we/our principles are not from such a country or, if from such a country, have been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I/we Hereby certify that we fulfill all requirements in this regard and is/are eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]”

**(Signature of Authorized Signatory with Company Seal)**

Note: The Certificate should be printed on the Company's letter head.

### LIST OF APPROVED MAKES FOR CIVIL WORKS

The materials of the following make of first/standard quality shall only be used in the work.

1	Adhesive	Fevicol, Pidilite, Choksy, Araldite, Fosroc
2	Aluminium Composite Panel	Alucobond, Reynobond, Alpolic, Aludecor
3	Aluminium Fittings	IPSA, Everite, EBCO, ECIE, Hardwin Traders
4	Aluminium Sections	Indal / Hindalco / Jindal / Mahaveer
5	Ball Valves (brass)	Zoloto, IBP, ARCO
6	Bevelled edge mirror with PVC beading	Atul, Jolly, Modi Guard
7	Block Boards & Plywood	Kitply, Century, National, Novapan, Duro
8	Cement ( OPC ,PPC)	ACC, UltraTech, Vikram, Shree Cement, Ambuja, Jaypee Cement, Century Cement & J.K. Cement
9	Cement Paint, synthetic enamel paint, distemper, Epoxy Paint ,primer	ICI India Ltd., Berger Paint Ltd., Good Loss Nerolac Paint, Asian Paint Ltd., Jenson and Necholson India Ltd., Shalimar Paint Ltd., Snowcem India Ltd.
10	C.C. Chequered tiles	NITCO, GEM, MODERN, HINDUSTAN
11	C.C. Kerb Stone	Nitco Prefab, K.K. Manhole, TERRAFIRMA, UNISTONE.
12	Cast Iron Pipes & Fittings as per IS : 3989	NECO, KAPILANSH, SKF, RIF, HIF, HEPL0
13	C.I. Cover & Manholes Cover	B.C., R.I.F., NECO
14	C.I. Double flanged sluice valves	Kirloskar, IVC, Burn
15	C.I. Doubled flanged non return valves	Kirloskar or equivalent
16	Ceramic glazed floor tiles	Nitco, Kajaria, Rak, H&R Johnson, Bell, Orient
17	Rectified Ceramic glazed wall tiles	Nitco, Kajaria, Rak, H&R Johnson, Bell, Orient
18	Centrifugal cast iron spun pipes and its accessories/ fittings	NECO, RIF, HIF, HEPCO
19	C.P. Brass Accessories	Kingsron (ELTA), Prayag, Prima, Gem, Techno, Parko (ECO), Marc (Oriental), Jaquar (Continental)
20	C-PVC Pipe and Fittings	Prince, Supreme, Finolex, SFMC
21	EPDM Gaskets	Roop/ Anand
22	FRP Doors, FRP Chajja	SIMBA, FIPRE WAYS
23	Flush Door Block Board construction (IS-2202-Part-I)	Duro, National, Kitply, Century
24	Glass (Float / Sheet)	Modiguard, St. Gobain, TATA Continantal, HNG, ASAHI
25	Glass Mosaic Tiles	Pacific glass mosaic or equivalent
26	GI Pipes	Tata, Prakash Surya, Jindal Hissar
27	GI Fittings	Unik, , KS, RM
28	Gunmetal gate Valves /Non return valve	Leader, Sant, Zoloto, DRP
29	Lock / Latch	Godrej, Plaza, Harrison

30	Laminate	Green Laminate Century, Neo Nuxe, For Mica Merino
31	Masking Tapes	Sun control/ Wonder Polymer
32	Mild Steel Tubes / Pipes	TATA, SAIL, ISCO, JINDAL, PRAKASH SURYA
33	PTMT Fittings (IS-9763)	Prayag, Polytuf
34	Paving Tiles/Paver Block	Nitco, KK, TERRAFIRMA, UNISTONE, DALAL
35	Plastic WC seat cover	Commander, Diplomat, Bestolite, Century.
36	Polycarbonate Sheet	M/s. Nu-Plast pipes & Profiles, MG Polyplast Industries
37	PVC Door / Shutter	Rajshri, Polywood, Polyline
38	PVC Water Tank	Sintex, Sheetal, Rotoplast, Polycon,
39	PVC Rain Water Pipes & Fittings	Prince, Supreme, Finolex, SFMC Pvt. Ltd. Genesis roofing Flex tuf Industries
40	Pre-coated iron galvanized profile sheet and accessories	Lloydeck, Trackdeck, Multiclad, TATA, Bluescope, Dyna ROOF
41	Particle Board/Pre-laminated particle board	Action Tesa, ECO Board, Bhutan Board, kitply, Duro
42	RCC pipes	IHP, Ashok Cement Pipe, K.K. , Pragati
43	Stoneware pipes & Gully trap	Perfect, Burn, Parry, Pragati, C&R
44	Structural Steel	Main-SAIL, TATA, RINL, JSW
45	Stainless Steel Section	Prism Engineers, JINDAL.
46	S.F.R.C./Precast RCC MH cover & Frame and gratings	KK Manholes & Gratings, SFP/Steel Fibre Product, Pragati
47	Stainless Steel Screws	Kundan/ Puja/ Atul
48	Stainless Steel Bolts/ Washers and Nuts	Kundan/ Puja/ Atul
49	Stainless Steel Pressure Plate Screws	Kundan/ Puja/ Atul
50	Stainless Steel sink	NEELKANTH, NIRALI, JAYNA, ALEX
51	Stainless Steel Wash-basin & WCs	Jayna, Neelkhant, Prayag
52	Steel Window, Pressed Steel Frames	San Harvic, Steel Man Industries, PD Industries, Metal Windows, Chandni Industries, Ganpati Udyog (Rajpura)
53	TMT Fe-500-D (Primary steel producers)	SAIL, TATA STEEL LTD., RINL, JINDAL STEEL & POWER LTD RATHI UDYOG, KAMDHENU AND JSW STEEL LIMITED
54	TMT Fe-500-D (Secondary steel producers)	Rathi, Kamdhenu, Barnala, Doaba, Jyoti
55	Terrazo tiles (precast)	NITCO, GEM, MODERN, HINDUSTAN
56	Tile Adhesive	CICO, PIDILITE, UNITILE
57	U-PVC Pipe and Fittings	Prince, Supreme, Finolex, SFMC
58	Vitreous China Sanitary wares	Parryware, Hindware, CERA, Johnson CERA. <i>Fajlav</i>
59	Vitrified Tiles	Kajaria, RAK, H&R Johnson, Bell, Asian, Marbitto, Oreva
60	Wall Putty	JK Wall Putty, Birla Putty
61	Water proofing compound	CICO, FOSROC, IMPERMO, PIDILITE, SIKA,
62	White cement	Birla White, J.K. White or equivalent
63	Welding Electrodes	ESAB, Advani-orlikon, Weld Alloy
64	Weather silicon	Dow Corning / Wacker/ GE
65	Any other item ( not listed above	All items shall be as per relavand IS/CPWD Specification and prior approval from Engineer-in-Charge

### SCHEDULE OF QUANTITIES

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

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.

I/We agree:

- (i) that should I/We fail to commence the work specified in the above-mentioned Memorandum the without prejudice to any other right or remedy shall be at liberty to debar from tendering with the Institute.
- (ii) to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein.

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

1)

2)

3)

Dated the \_\_\_\_\_ day of \_\_\_\_\_ 2024

(Seal & Signature of Contractor)

BOQ_V	Item Wise BOQ								
e3.1	Item Wise								

Tender Inviting Authority: Consultant Engineer, NIPGR, New Delhi

Name of Work: Renovation of wash rooms in Main Building at NIPGR Campus New Delhi.

Contract No.: NIPGR/Engg/775(1)/2023-24

Name of the Bidder/ Bidding Firm / Company :

#### PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only )

Sl. No.	Item Description	Quantity	Units	UNIT RATE in Figures To be entered by the Bidder in Rs. P	GST in Rs. P (Col. 5 x % of GST)	Total Unit Rate with GST (Col. 5+6)	TOTAL AMOUNT Without Taxes in Rs. P (Col. 3 x 5)	TOTAL AMOUNT With Taxes in Rs. P (Col. 3 x 7)
NUMBE R #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	NUMBER #	NUMBER #	NUMBER #
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : all complete as per direction of Institute.	3	4	5	6	7	8	9
1	1:2:4 (1 cement : 2 coarse sand (zone-II)) derived from natural sources : 4 graded stone aggregate							
1a)	20 mm nominal size derived from natural Sources	16	cum					
1b)	1:5:10 (1 cement : 5 coarse sand (zone-II)) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	16	cum					
2	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level, all complete as per direction of Institute.							
2a)	Thermo-Mechanically Treated bars of grade Fe-500D or more	270	kg					
	Brick work							
3	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level, all complete as per direction of Institute.							
3a)	Cement mortar 1:3 (1 cement :3 coarse sand)	88	sqm					
3b)	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry	88	sqm					
4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor							
4a)	Cement mortar 1:6 (1 cement : 6 coarse sand)	5	cum					
	Tiling works of Flooring & Walls							
5a)	Providing and laying Ceramic glazed floor tiles of size 300x300	375	sqm					
5b)	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Institute, 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 kg per sqm, including pointing in white cement mixed with pigment of matching shade all complete as approved by Institute.	1800	sqm					

NOT TO BE FILLED



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1	2	3	4	5	6	7	8	9
	Finishing							
6a)	12 mm cement plaster of mix : 1:4 (1 cement : 4 fine sand)	200	sqm					
6b)	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement : 4 fine sand)	150	sqm					
7a)	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement prime	1210	sqm					
7b)	Painting with synthetic enamel paint of approved brand and Two or more coats on new work	50	sqm					
7c)	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth	1210	sqm					
8	Dismantling cement concrete manually/ by mechanical means including disposal of material within 50 metres lead all complete as Normal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	40	cum					
9	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead all complete as per direction of Institute.	5	cum					
10	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead all complete as per direction of Institute.							
	In cement mortar	45	cum					
11	Dismantling tile work in floors and walls etc laid in cement mortar including stacking material within 50 metres lead all complete as per direction of Institute.							
12	For thickness of tiles 10 mm to 25 mm	2175	sqm					
	Dismantling of wash basin/ EWC/flushing cistern/unlaid etc of all types (C.I./PVC/Vitrous China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead all complete as per direction of Institute.	180	each					
13	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead all complete as per direction of Institute.	150	sqm					
	Disposal of building rubbish / matba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	300	cum					
15	Desmantlaing of 15mm to 40mm dia G.I. pipes stacking of dismental pipes with 50 metre lead all complete as per direction of Institute.	600	Mtr					

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1	Sanitary	3	4	5	6	7	8	9
16a)	Providing and fixing soil, waste and vent pipes : all complete as per direction of Institute.	51	each					
16b)	Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	120	mts					
16c)	75mm Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	90	mts					
17	Providing and filling the joints with spun yarn, cement slurry and cement mortar 1:2 ( 1 cement : 2 fine sand) in S.C./ C.I. Pipes : all complete as per direction of Institute.							
17a)	75 mm dia pipe	120	each					
17b)	100 mm dia pipe	216	each					
18	Providing and fixing single equal plain junction of required degree : all complete as per direction of Institute.							
19	100X100X100 mm Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989 all complete as per direction of Institute.	90	each					
20	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : all complete as per direction of Institute.	54	each					
20a)	Water Supply							
21	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete . Concealed work including cutting chases and making good the walls etc. all complete as per direction of Institute.							
21a)	15 mm nominal outer dia Pipes	15	mts					
21b)	20 mm nominal outer dia Pipes	130	mts					
21c)	25 mm nominal outer dia Pipes	200	mts					
21d)	32 mm nominal outer dia Pipes	20	mts					
21e)	40mm nominal outer dia Pipes	10	mts					
21f)	50mm nominal outer dia Pipes	15	mts					
21g)	65mm nominal outer dia Pipes	8	mts					
21h)	100mm nominal outer dia Pipes	35	mts					
22	Providing & fixing 15mm C.P. brass angle valve with nuts, washer and brass flange complete for basin mixer and other points of							
22a)	15mm nominal bore	36	each					
22b)	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.							
23	Providing and fixing unplasticised PVC connection pipe with brass	36	each					
23a)	30 cm length							

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1	2	3	4	5	6	7	8	9
i)	15 mm nominal bore	46	each					
ii)	20MM Nominal	46	each					
24	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc.							
24a1	25 mm average thickness	20	sqm					
25	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and all complete as per direction of Institute.							
25a1	Epoxy bonding adhesive having coverage 2.20 sqm/kg of approved	20	sqm					
26	Providing & fixing chrome plated brass battery based infrared sensor operated pillar cook, having foam flow technology of approved make all complete as per direction of Institute.							
26a1	15 mm nominal bore	46	each					
27	Providing and fixing white vitreous china battery based infrared sensor operated urinal of approved make, approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification all complete as per direction of Institute.	26	each					
28	Providing & fixing in position wall hung type white vitreous china water closet with concealed 'P' trap, PVC pan connector, plastic seat & lid heavy duty Stainless Steel hinges, including C.I. chair, white vitreous china flushing cistern (concealed type) having dual flushing system including all internal fittings complete with rubber buffers, C.P. nuts, bolts, etc making holes in walls floors, & making good. all complete as per direction of Institute.							
	a) Integrated Water Closet (Star white) with jet & Cistern with seat cover b) Concealed cistern with wall mounted frame including cistern, push plate etc. all complete as per direction of Institute	51	each					
29	Providing and fixing as per approved make C.P. brass bib cock of approved quality conforming to IS:8931 :all complete as per direction of Institute.	51	each					
30	Providing and fixing as per manufacturer guideline automatic liquid soap dispenser of approved make all complete as per direction of Institute.	46	each					
31	Providing and fixing as per manufacturer guideline Hand Shower (Health Faucet) with 1 Meter Long Easy Flex Tube in Chrome Finish and Wall Hook with N.R.V (Back Flow Preventer) of approved make equivalent make all complete as per direction of Institute.	51	each					

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1	2	3	4	5	6	7	8	9
32	Providing and fixing 200x450mm fixed in urinal partitions of approved make and making necessary holes etc for fixing arrangement all complete as per client's requirement all complete as per direction of Institute.	51	each					
33	Providing and fixing Stainless Steel Grade 304 grating of approved quality and colour. Circular type : 100 mm nominal dia all complete. Providing and fixing 200x450mm beveled edge mirror of superior quality (Of approved quality) complete with 6mm thick hard board ground fixed on wooden cleats with CP brass screws & washer all complete. holes etc for fixing arrangement all complete directions of Institute.	97	each					
34	Providing and fixing 8mm thick frosted safety glass of size 900x450mm fixed in urinal partitions of approved make and making necessary holes etc for fixing arrangement all complete as per client's requirement all complete as per direction of Institute.	25	Each					
35	Providing and fixing factory made HDHMR Board 6mm back ply and high glossy superior quality mirror of size 500 mm X 700 mm all complete as per direction of Institute.	46	each					
36	Providing, fixing, jointing with drip seal and testing centrifugally cast iron 'P' or 'S' trap of self cleansing design with or without arm with provision for connecting G.I. inlet fitting complete including cost of cutting and making good the walls and floors wherever required as directed by Institute.	51	each					
37	Providing & laying cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) 75mm in bed and all around C.I. Soil and waste pipe under floor including centring and shuttering wherever required. all complete as per direction of Institute.	5	Cum					
38	Providing and fixing approved quality CP brass heavy duty twin coat hooks with chrome finish and CP screws all complete as per direction of Institute.	51	each					
39	Providing and fixing brass ball valves with SS 304 stem and ball, teflon seat of approved make heavy quality with all necessary fittings all complete as per specifications & as directed by EIC. All complete as per direction of Institute.	5	each					
40	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Institute.	51	each					
41	Providing and fixing 18 mm thick mirror polished, machine cut Granite black for wash basin counters/platforms, facias, drops etc and for similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, etc., all complete as per direction of Institute at all levels as including following :	36	each					

NOT TO BE FILLED



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1	2	3	4	5	6	7	8	9
42	fixing granite stone over including in facia and drops of width upto 150mm with epoxy resin based (Araldite or equivalent) adhesive including cleaning, etc., complete as per specification & all complete as per direction of Institute. Including to provide opening of required size & shape for wash basins in platform, and similar location in marblestone work including necessary holes for pillar taps, etc., including rubbing and polishing of cut edges, etc., complete as per specification & all complete as per direction of Institute. a) Granite black							
43	Providing and fixing <i>glazed vitreous china wash BASIN</i> of approved make and Best Indian make Hand Wash basin white vitreous chinaware conforming to IS 2556 Part IV supported on suitable wall brackets. Oval shaped wash basin suitable for over or under counter installation 560 x 450 mm all complete as per direction of Institute, including followings : a) Providing & Fixing one no. 32mm nb heavy quality CP brass waste with rubber plugs & CP chain. b) Providing & Fixing of one no. 15mm nb heavy quality CP brass screwed down stop cock conforming to IS 781 CP brass inlet connection with brass union ends. c) one no. 15mm nb heavy quality CP brass inlet connection with brass union ends.	46	each					
44	Constructing <i>masonry chamber 30 x 30x 50 cm</i> , inside with 75 class designation brick work in cement mortar 1:5 (1 cement : 5 fine sand) for stop cock, with C.I surface box 100 x 100 x 75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 Coarse sand) 12 mm thick finished with a floating coat of neat cement all complete as per specifications & all complete as per direction of Institute.	3	each					
45	Providing and fixing best Indian make <i>cast iron flanged NON-RETURN VALVES</i> along with a pair of C.I. Tail pieces conforming to IS:5312 (Part I) making necessary flanged joints, providing all jointing materials, testing the valve and joints for 10 kg/cm2 pressure with clean and potable water for minimum testing duration of two hours etc. complete as per specifications, drawings and as directed by the Engineer-in-charge.	12	each					
46	Providing and fixing square mouth <i>S. W. gully trap grade 'A'</i> complete with C.I. grating brick masonry chamber with bricks of	25	each					
47	Providing and fixing <i>Gate valves</i> with apocoated disc, carbon steel shaft and lever actuator tested to 10 Kg/cm2 all complete as per direction of Institute.	18	each					
	a) 32mm dia	5	Each					
	b) 40mm dia	4	Each					
	c) 50mm dia	4	Each					

NOT TO BE FILLED

