



**Basic Details**

Organisation Chain	Delhi Technological University		
Tender Reference Number	DTU/EC/00139/25-26/Electrical		
Tender ID	2025_DTU_282648_1	Withdrawal Allowed	Yes
Tender Type	Open Tender	Form of contract	Works
Tender Category	Works	No. of Covers	2
General Technical Evaluation Allowed	No	ItemWise Technical Evaluation Allowed	No
Payment Mode	Offline	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No

**Payment Instruments**

Offline	S.No	Instrument Type
	1	Demand Draft
	2	R-T-G-S
	3	FDR
	4	ECS
	5	NEFT
	6	Bank Guarantee

**Cover Details, No. Of Covers - 2**

Cover No	Cover	Document Type	Description
1	Fee/PreQual/Technical	.pdf	Scanned copy of duly Stamped and Signed EMD.
		.pdf	Scanned copy of Completion certificate from the client for successfully completed similar works
		.pdf	The Specialized firms who fulfill the following requirements shall be eligible to apply. Works exper
		.pdf	Scanned copy of average annual financial turnover of 50percentage of the estimated cost
		.pdf	Scanned copy of solvency of 50 percentage of the estimated cost as per Form B
		.pdf	Scanned copy of valid Electrical License
		.pdf	Certificate of Registration for G.S.T. and acknowledgement of up to date filed return
2	Finance	.xls	8. OEM authorization certificate for Telemetric Piezometer and Electromagnetic Flow Meter i.e. OEMs BOQ

Tender Fee Details, [Total Fee in ₹ * - 0.00]			
Tender Fee in ₹	0.00		
Fee Payable To	Nil	Fee Payable At	Nil
Tender Fee Exemption Allowed	No		

EMD Fee Details			
EMD Amount in ₹	37,678	EMD Exemption Allowed	No
EMD Fee Type	percentage	EMD Percentage	2.0%
EMD Payable To	Registrar	EMD Payable At	New Delhi

[Click to view modification history](#)

Work / Item(s)					
Title	Replacement of rusted pipes at booster pump and Supply and fixing of Flow Meters, Telemetric Piezometer based on GSM and GPRS and, DTU, Delhi				
Work Description	Replacement of rusted pipes at booster pump and Supply and fixing of Flow Meters, Telemetric Piezometer based on GSM and GPRS and, DTU, Delhi				
Pre Qualification Details	Please refer Tender documents.				
Independent External Monitor/Remarks	NA				
Show Tender Value in Public Domain	Yes				
Tender Value in ₹	18,83,890	Product Category	Electrical Works	Sub category	NA
Contract Type	Tender	Bid Validity(Days)	90	Period Of Work(Days)	30
Location	Delhi Technological University, Bawana Road, Delhi	Pincode	110042	Pre Bid Meeting Place	NA
Pre Bid Meeting Address	NA	Pre Bid Meeting Date	NA	Bid Opening Place	Delhi Technological University, Bawana Road, Delhi
Should Allow NDA Tender	No	Allow Preferential Bidder	No		

Critical Dates				
Publish Date	16-Dec-2025 10:30 AM	Bid Opening Date	29-Dec-2025 03:30 PM	
Document Download / Sale Start Date	16-Dec-2025 10:30 AM	Document Download / Sale End Date	29-Dec-2025 03:00 PM	
Clarification Start Date	16-Dec-2025 10:30 AM	Clarification End Date	29-Dec-2025 03:00 PM	
Bid Submission Start Date	16-Dec-2025 10:30 AM	Bid Submission End Date	29-Dec-2025 03:00 PM	

Tender Documents					
NIT Document	S.No	Document Name	Description		Document Size (in KB)
	1	Tendernotice_1.pdf	Replacement of rusted pipes at booster pump and Supply and fixing of Flow Meters, Telemetric Piezometer based on GSM and GPRS and, DTU, Delhi		551.45
Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	BOQ	BOQ_373579.xls	Supply and fixing of Flow Meter, Telemetric Piezometer based on GSM GPRS and replacement of rusted pipes at booster pump, DTU, Delhi	319.50

Bid Openers List			
S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	akshaygarg@dtu.ac.in	AKSHAY GARG	Akshay Garg
2.	admin6@gmail.com	A K PANDEY	ASHOK KUMAR PANDEY
3.	aksrivastava@dce.ac.in	Amit Srivastava	AMIT SHRIVASTAVA

Tender Properties			
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<b>Auto Tendering Process allowed</b>	No	<b>Show Technical bid status</b>	Yes
<b>Show Finance bid status</b>	Yes	<b>Stage to disclose Bid Details in Public Domain</b>	Technical Bid Opening
<b>BoQ Comparative Chart model</b>	Normal	<b>BoQ Comparative chart decimal places</b>	2
<b>BoQ Comparative Chart Rank Type</b>	L	<b>Form Based BoQ</b>	No

#### **Tender Inviting Authority**

<b>Name</b>	Cheif Project Officer
<b>Address</b>	Delhi Technological University, Bawana Road, Delhi

#### **Tender Creator Details**

<b>Created By</b>	A K PANDEY
<b>Designation</b>	Chief Store Keeper
<b>Created Date</b>	09-Dec-2025 06:22 PM

**INDEX**

**Name of Work:-** Supply and fixing of Flow Meter, Telemetric Piezometer based on GSM & GPRS and replacement of rusted pipes at booster pump, DTU, Delhi

<b>S. No.</b>	<b>Description</b>	<b>Page No.</b>
1.	Index	01
2.	E-Tender Notice forming part of NIT and to be posted on website	02
3.	Information and instructions for bidders for e-tendering to be posted on website	03-04
4.	Form CPWD-6 – Notice Inviting Tenders	05-10
5.	Perfoma of Schedules (A to F)	11-15
6.	General Term and Condition for E&M works	16-24
7.	Special Conditions To Comply Directives of Hon'ble National Green Tribunal	25
8.	Schedule of Work	26-27
9.	List of Approved Acceptable Makes	28-30
10.	Letter of Transmittal, Form-A, Form-B, Form-C and Form-D	31-34
11.	Form of Performance Security bank guarantee bond	35-36

**NIT APPROVAL**

Name of Work: -	Supply and fixing of Flow Meter, Telemetric Piezometer based on GSM & GPRS and replacement of rusted pipes at booster pump, DTU, Delhi
Head of Account	:- Maintenance & Repair Of building :Electrical
Estimated Cost	:- Rs.18,83,890/-
Earnest Money	:- Rs.37,678/-.
Security Deposit	:- 2.5 % of gross value of the Bill
Performance Guarantee	:- 5% of accepted value of work
Time allowed	:- 1 Months

NIT approved amounting to Rs.18,83,890/-(Rupees Eighteen Lakh Eighty Three Thousand Eight Hundred Ninety Only)

**Chief Project Officer**

## **INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR E-TENDERING FORMING PART OF BID DOCUMENT AND TO BE POSTED ON WEBSITE**

The Chief Project Officer, Delhi Technological University, Bawana Road, Delhi on behalf of DTU invites online percentage rate bid in two bid system from specialized firm who fulfil the eligibility criteria for the following work (s): The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.

Information and Instructions for bidders posted on website shall form part of bid document.

1. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be

S. No.	NIT No.	Name of work & Location	Estimated cost put to tender	Earnest money	Period of completion	Last date & time of submission of bid. EMD, e-tender processing fee and other documents as specified in the Press Notice.	Time & date of opening of bid
1	2	3	4	5	6	7	8
1.	DTU/ENGG.CELL/00139/2025-26	Supply and fixing of Flow Meter, Telemetric Piezometer based on GSM & GPRS and replacement of rusted pipes at booster pump, DTU, Delhi	18,83,890/-	37,678/-	1 Months	Up to 03.00 PM On	At 03.30 PM On

executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <http://govtprocurement.delhi.gov.in> free of cost.

2. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website
3. The intending bidder must have valid class and above digital signature to submit the bid.
4. On opening date, the contractor can login and see the bid opening process. After opening of bids, he will receive the comparative bid sheets.
5. Contractor can upload documents in the form of **JPG** format and **PDF** format.

**List of Documents to be scanned and uploaded within the period of bid submission:**

1. Earnest Money Deposit: Scanned copy of duly Stamped and Signed EMD.
2. Scanned copy of Completion certificate from the client for successfully completed similar works preferably in Educational University/PSU's, semi-govt. for reckoning towards works experience during last seven years ending previous day of last date of submission of bid. "Supply and fixing of Flow Meter, Telemetric Piezometer based on GSM & GPRS for online monitoring of Ground Water"
3. The Specialized firms who fulfill the following requirements shall be eligible to apply. (Joint ventures are not accepted): Works experience certificate.
  - a) Three similar work not less than 40% of estimated cost put on tender.

OR

  - b) Two similar work not less than 60% of estimated cost put on tender.

OR

  - c) One similar work not less than 80% of estimated cost put on tender.
4. Scanned copy of average annual financial turnover of 50% of the estimated cost during the last three consecutive years ending 31st March 2025. (Scanned copy of Certificate from CA to be uploaded). There is no need to upload entire voluminous balance sheet.
5. Scanned copy of solvency of 50% of the estimated cost as per Form:-B or Networth Certificate issued by certified Chartered Accountant as per Form:- B-1. (Scanned copy of original solvency to be uploaded)
6. Scanned copy of valid Electrical License.
7. Certificate of Registration for G.S.T. and acknowledgement of up to date filed return.
8. OEM authorization certificate for Telemetric Piezometer and Electromagnetic Flow Meter i.e. OEMs shall unconditionally support the bidder technically throughout the execution of contract as well as for Comprehensive Maintenance Contract for the useful life (at least five years) of the system and OEMs shall provide all the spares required for the healthy functioning of the equipment for at least five years from the date of supply of equipment.

Further details can be seen at <https://dtu.ac.in>

**Chief Project Officer**

**CPWD-6 FOR E-TENDERING**

The Chief Project Officer, DTU, Bawana Road, Delhi on behalf of DTU invites online percentage rate bid in two bid system from specialized firm who fulfil the eligibility criteria of “Supply and fixing of Flow Meter, Telemetric Piezometer based on GSM & GPRS and replacement of rusted pipes at booster pump, DTU, Delhi”

**Criteria of eligibility for submission of bid documents**

- 1.1 Three similar works each of value not less than 40% of estimated cost put to tender or two similar works of value not less than 60% of estimated cost put to tender or one similar work of value not less than 80% of estimated cost put to tender in last 3 years ending previous day of last date of submission of bids.  
**Similar work shall mean “SITC of Online Monitoring of Ground Water”**
- 1.2 Scanned copy of valid Electrical License.
- 1.3 Earnest Money Deposit: Scanned copy of duly Stamped and Signed EMD
- 1.4 Scanned copy of average annual financial turnover of 50% of the estimated cost during the last three consecutive years ending 31st March 2025. (Scanned copy of Certificate from CA to be uploaded). There is no need to upload entire voluminous balance sheet.
- 1.5 Scanned copy of solvency of 50% of the estimated cost as per Form:-B or Networth Certificate issued by certified Chartered Accountant as per Form:- B-1. (Scanned copy of original solvency to be uploaded)
- 1.6 Certificate of Registration for G.S.T. and acknowledgement of up to date filed return.
- 1.7 OEM authorization certificate for Telemetric Piezometer and Electromagnetic Flow Meter i.e. OEMs shall unconditionally support the bidder technically throughout the execution of contract as well as for Comprehensive Maintenance Contract for the useful life (at least five years) of the system and OEMs shall provide all the spares required for the healthy functioning of the equipment for at least five years from the date of supply of equipment.

**To become eligible for bid, the bidders shall have to furnish an affidavit as under: -**

**1 “I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back-to-back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding in DTU in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer- in-Charge shall be at liberty to suspend for one year and shall not be eligible to bid for CPWD and DTU from the date of issue of suspension order.**

**2** Agreement shall be drawn with the successful bidders on prescribed Form No. **CPWD 6** (or other Standard Form as Mentioned) which is available as a Govt. of India Publication and also available on website [www.cpwd.gov.in](http://www.cpwd.gov.in). Bidders Shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.

**3** The time allowed for carrying out the work will be **1 months** from the date of start as defined in schedule 'F' or from the first date of Handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.

**4** The site for the work in phase manner available.

**3.** The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website <http://govtprocurement.delhi.gov.in> **free of cost.**

**4.** After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.

**5.** While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re- enter rate of all the items) but before last time and date of submission of bid as notified.

**6. Bids are invited in under two bid system i.e. Technical bid and Financial bid.**

Copy of certificate of work experience and other documents as specified in the press notice shall be scanned and uploaded to the e-Tendering website within the period of bid submission. **However, lowest bidder shall submit certified copy of all the scanned and uploaded documents as specified in press notice in the office of Executive Engineer/ DTU.**

Online bid documents submitted by intending bidders shall be opened only of those bidders, whose documents with EMD declaration scanned and uploaded are found in order.

The bid submitted shall be opened on .....at 03:30 PM

The bid submitted shall become invalid if:

- (i) The bidder is found ineligible.
- (ii) The bidder does not upload required documents as mentioned above.
- (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the entire bidder in the office of bid opening authority.
- (iv) If a tenderer quotes NIL rates against each item in percentage rate tender or does not quote any percentage above/below on the total amount of the tender or any section/sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

7. The contractor whose bid is accepted will be required to furnish Performance guarantee of 3% (Three Percent) of the tendered and accepted value of the work amount within the period specified in Schedule F. This guarantee shall be in the form of Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/ Pay order of any Scheduled Bank of any scheduled bank (in case guarantee amount is less than Rs.1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW welfare board and program chart (Time & progress) with in the period specified in Schedule F.

**8. The description of the work is as follows: SITC of online monitoring of Ground Water.**

Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidders shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

9. The competent authority on behalf of the Delhi Technological University does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.

10. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.

11. The competent authority on behalf of the Delhi Technological University reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.

12. The contractor shall not be permitted to bid for works in the DTU (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of E.E. and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Delhi Technological University or in the Govt. of NCT of Delhi. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

13. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.

14. The bid for the works shall remain open for acceptance for a period of Seven (7) days from the date of opening of bids. If any bidders withdraw his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the

department, then the Government shall, without prejudice to any other right or remedy, be at liberty to suspended for one year and shall not be eligible to bid for CPWD and DTU from the date of issue of suspension order. This notice inviting Bid shall form a part of the contract document. The successful bidders/contractor, on acceptance of his bid by the Accepting Authority shall within 10 days from the stipulated date of start of the work, sign the contract consisting of: -

- (a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
- (b) Standard C.P.W.D. Form 7 or other Standard C.P.W.D. Form as applicable.

## **15. For Bids**

The bid document will include following two components:

**Part A:** - CPWD-6, CPWD-7 including schedule A to F for the work, Standard General Conditions of Contract for CPWD 2023 as amended/modified up to the last date of submission of bid, including extension, if any.

**Part B:** - General / specific conditions, specifications and schedule of quantities of the work.

- 20.1 The eligible bidders shall quote rates for all items of work.
- 20.2 After acceptance of the bid by competent authority, the EE of the work shall issue letter of award on behalf of the Delhi Technological University. After the work is awarded, the contractor will have to enter into an agreement with EE.
- 20.3 Security Deposit will be worked out on the basis of estimated cost put to tender for work.

**GUIDELINES REGARDING SIGNING OF INTEGRITY PACT BY THE BIDDER  
AT THE TIME OF SUBMISSION OF BID (Vide No. DG/CON/255A dated 10.08.2011)**

**Sub: Clarification regarding Introduction of Integrity Pact introduced vide OM No. CON255 dated 23.05.2011**

A new provision of Integrity Pact (IP) was introduced in GCC-2022 vide OM No. CON/255 dated 23.05.2011. In the OM it is mentioned that at the time of submission of bid, it shall be mandatory to sign the pact by the bidder failing which the bidder will stand disqualified from the tendering process and such bid would be summarily rejected.

Some field Units has raised their doubts regarding submission of duly signed Integrity Pact by the bidder at the time of submission of bid. In this regard it is clarified that: -

1. Submission of duly signed Integrity Pact by the bidder is applicable in case of manual tendering where e- tendering is not followed.
2. In case of manual tendering Executive Engineer should sign the first page addressed to the intending bidder at the time of issue of tender form and before submission of the bid, each bidder shall sign IP at respective places and submit the bid. If duly signed IP is not submitted by the bidder, such bid shall not be considered.
3. In case of e-tendering, Integrity Pact shall be treated in the same manner as other components of the bid document. In e-tendering, the intending bidder does not sign any document physically and entire bid document is submitted through digital signature. Since IP is a part of bid document no separate physical submission is required with other documents to be submitted in the office of tender opening authority. In addition to other component of bid document, the Integrity Pact shall also be signed between Executive Engineer and successful bidder after acceptance of bid.

CPWD -7

DTU

**TENDER**

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, of **2023** with amendments up to the last date of submission of tenders, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work Supply and fixing of Flow Meter, Telemetric Piezometer based on GSM & GPRS and replacement of rusted pipes at booster pump, DTU, Delhi

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract of 2023 with amendments up to the last date of submission of tender and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

We agree to keep the tender open for Seventy-Five (75) days from the date of opening of technical bid and not to make any modification in its terms and conditions.

I/We fail to commence work as specified, I/We agree that DTU or the successors representatives in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said the performance guarantee absolutely. The said performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in **Clause 12.2 and 12.3** of the tender form. Further, I/We agree that in case of forfeiture of Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in DTU in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer- in-Charge shall be free to forfeit the entire amount of Performance Guarantee.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

**Dated: .....\*\*.....**

**Signature of Contractor \*\***

**Witness: \*\***

**Address: \*\***

**Postal Address \*\***

**Occupation:**

**ACCEPTANCE**

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for an on behalf of the Delhi Technological University for a sum of Rs.....(Rupee.....).

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

- (a)
- (b)
- (c)

**For & on behalf of Delhi Technological University**

**Signature .....**\*.....

**Dated:.....\***..... **Designation .....**\*.....

J.E(E)

Correction.....  
Deletion.....  
Insertion.....

**SCHEDULES****SCHEDULE 'A'**

Schedule of quantities (Enclosed.)

**As per Schedule attached (Page 26-27)****SCHEDULE 'B'**

Schedule of materials to be issued to the contractor free of cost.

S. No.	Description of Item	Quantity	Recovery rates in figures & words at which the material will be charged to the contractor.	Place of Issue
1	2	3	4	5
			-N/A-	

**SCHEDULE 'C'**

Tools and plants to be hired to the contractor.

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

NOT APPLICABLE

**SCHEDULE 'D'**

Extra schedules for specific requirements / documents for the work, if any.

- N.A. -

**SCHEDULE 'E'**

Schedule of component of Cement, Steel, Other Materials, Labour etc. for price escalation.

**SCHEDULE 10 'C'**

Schedule of labour rates etc for price escalation

- - N.A. -

**CLAUSE 10 CC**

Component of Cement

expressed as per cent of total value of work Xc

- N.A. -

Component of Steel

expressed as per cent of total value of work Xs

- N.A. -

Component of Materials

expressed as per cent of total value of work Xn

- N.A. -

Component of Labour

expressed as per cent of total value of work Y

- N.A. -

Component of POL

expressed as per cent of total value of work Z

- N.A. -

## SCHEDULE 'F'

Reference to General Conditions of contract.

Name of Work: Supply and fixing of Flow Meter, Telemetric Piezometer based on GSM & GPRS and replacement of rusted pipes at booster pump, DTU, Delhi

Estimated cost of work. : Rs. 18,83,890/-

- (i) Earnest Money : Rs. 37,419/-.
- (ii) Performance Guarantee: 5% (Five Percent) of accepted value of Tender.
- (iii) Security Deposit: 2.5% (Two and Half percent) of Gross Value of the Bill.

### GENERAL RULES & DIRECTIONS:

Officer inviting tender	Chief Project Officer
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3	DTU, Bawana Road, Delhi
	See below.

### Definitions:

2 (v) Engineer –In – Charge	Chief Project Officer, DTU, Bawana Road, Delhi
2 (viii) Accepting Authority	Vice Chancellor, DTU, Bawana Road, Delhi
2 (x) Percentage on cost of materials and labour to cover all overheads and profits.	15 %
2 (xi) Standard Schedule of Rates.	DSR 2025/Market Rates
2 (xii) Department	DTU

**9 (ii) Standard CPWD contract Form date.** **CPWD form 07 as modified & corrected upto**

### Clause 1

- i) Time allowed for submission of Performance Guarantee From the date of issue of letter of acceptance, in days 7 Days
- ii) Maximum allowable extension beyond the period provided in i) above in days 7 Days

### Clause 2

Authority for fixing Compensation under Clause 2.	Vice Chancellor <b>DTU, Bawana Road, Delhi</b>
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**Clause 2 A**

Whether Clause 2 A shall be applicable Not applicable

**Clause 5**

Number of days from the date of issue of letter  
Of acceptance for reckoning date of start 14 days

**Miles Stone(s) as per table given below:-****TABLE OF MILE STONES (S)**

S.No.	Description of Milestone(Physical)	Time Allowed in days (from date of start)	Amount to be with - held in case of non-achievement of milestone.
<b>AS PER TERMS AND CONDITION</b>			

**OR**

S.No.	Financial Progress	Time Allowed (from date of start)	Amount to be with - held in case of non-achievement of milestone.
<b>AS PER TERMS AND CONDITION</b>			

Time allowed for execution of work **1 Months**

**Clause 6**

Clause applicable Yes, Applicable

**Clause 7**

Gross work to be done together with net payment/ adjustment of advances for Material collected, if any, since the last such payment for being eligible to interim payment.

**Clause 10 A**

List of testing equipment to be provided by the contractor at site lab. Not applicable.

**Clause 10 B (ii)**

Whether Clause 10 B (ii) shall be applicable Not applicable

**Clause 10 CA**

Material covered under the Clause Not Applicable

**Clause 10 CC**

Clause 10 CC to be applicable in contracts With stipulated period of completion exceeding The period shown in next columns. Not Applicable

**Clause 11**

J.E(E)

Correction.....  
Deletion.....  
Insertion.....

Specifications to be followed execution of work	As per CPWD General Specification for Elect. Works. As per Gen. electrical specifications 2013 amended upto date correction slips
<b>Clause 12</b>	Type of work
12.2 & 12.3	Deviation limit beyond which Clause 12.2. & 12.3 shall apply for building work
12.5	Deviation limit beyond which clauses 12.2 & 12.3 shall apply for foundation work.

**Clause 16**

Competent Authority for Deciding reduced rates. upto 5% of Contract value

Vice Chancellor,  
DTU, Bawana Road, Delhi

**Clause 19C** Engineer in charge authority to decide penalty for each default Clause

19D Engineer in charge authority to decide penalty for each default Clause

19G Engineer in charge authority to decide penalty for each default Clause

19K Engineer in charge authority to decide penalty for each default Clause

**Clause 25** Settlement of disputes by conciliation and arbitration V.C., DTU.

**Clause 32**

Requirement of technical representative (s) and recovery rate (s)..

S. No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical representative)	Minimum Experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36 (i)	
						Figures	Words
1.	Graduate Engineer or Diploma Holder	Electrical	Project Manager cum planning / quality / site / billing engineer	2 Years 5 Years	1	Rs. 15000/- Per Month	Rs. Fifteen Thousand Per Month

**Clause 38**

i) (a) Schedule/ statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2016 printed by C.P.W.D. : Not Applicable.

ii) Variations permissible on theoretical quantities : Not applicable

(a) Cement for works with estimated Cost put to tender not more than Rs. 5 Lakhs. For works with estimated cost put to Tender more than Rs. 5 lakhs. : Not applicable

b) Bitumen All works. : Not applicable

- c) Steel Reinforcement and structural steel : Not applicable  
Sections for each diameter, section and category
- d) All other materials : Not applicable

## **SPECIAL CONDITIONS TO COMPLY DIRECTIVES OF HON'BLE NATIONAL GREEN TRIBUNAL**

1. The contractor shall not store/ dump construction material or debris on metalled road.
2. The contractor shall get prior approval from Engineer-in-Charge for the area where the construction material or debris can be stored beyond the metalled road. This area shall not cause any obstruction to the free flow of traffic/ inconvenience to the pedestrians. It should be ensured by the contractor that no accidents occur on account of such permissible storage.
3. The contractor shall take appropriate protection measures like raising wind breakers of appropriate height on all sides of the plot/ area using CGI sheets or plastic and / or other similar material to ensure that no construction material dust fly outside the plot area.
4. The contractor shall ensure that all the trucks or vehicles of any kind which are used for construction purposes/ or are carrying construction material like cement, sand and other allied material are fully covered. The contractor shall take every necessary precautions that the vehicles are properly cleaned and dust free to ensure that enroute their destination, the dust, sand or any other particles are not released in air/ contaminate air.
5. The contractor shall provide mask to every worker working on the construction site and involved in loading, unloading and carriage of construction material and construction debris to prevent inhalation of dust particles.
6. The contractor shall provide all medical help, investigation and treatment to the workers involved in the construction of building and carry of construction material and debris relatable to dust emission.
7. The contractor shall ensure that C&D waste is transported to the C&D waste site only and due record shall be maintained by the contractor.
8. The contractor shall compulsory use of wet jet in grinding and stone cutting.
9. The contractor shall comply all the preventive and protective environmental steps as stated in the MoEF guidelines, 2010. 10. The contractor shall carry out on-Road-Inspection for black smoke generating machinery. The contractor shall use cleaner fuel.
11. The contractor shall ensure that all DG Sets comply emission norms notified by MoEF.
12. The contractor shall ensure that the construction material is covered by tarpaulin. The contractor shall take all other precaution to ensure that no dust particles are permitted to pollute air quality as a result of such storage.
13. The paving of the path for plying of vehicles carrying construction material is more permanent solution to dust control and suitable for longer duration projects. The NIT approving authority shall carry out cost benefit ratio analysis of the same.

## **TECHNICAL CONDITIONS**

**Name of work: - Supply and fixing of Flow Meter, Telemetric Piezometer based on GSM**

**& GPRS and replacement of rusted pipes at booster pump, DTU, Delhi**

1. Supplying, Installation, Testing & Commissioning of Piezometer with in-built memory and GPRS/GSM enabled telemetry system along with Non-Vented (IP 68) hydrostatic pressure type sensor with barometric pressure, online security arrangement to save the data through token based including arrangements for SMC Junction box of appropriate size, rain protection canopy, including civil works for construction/repair of platform, sensors, data logger, software, hardware and ancillaries' equipment etc.
2. Technical design, supply, installation, testing, commissioning of the Microprocessor based Electromagnetic Flow Meter having flanged connection to be added with in-built memory and GPRS/GSM enabled telemetry system with integral sensor, transmitter, processor & temperature, pressure, density of viscosity of liquid for on line Monitoring of water consumption between the remote stations and Data Centre. Thereafter data shall be transmitted through internet for further processing in the form of reports/bulletins.
3. Perform on-site assembly, start-up of the supplied goods.
4. Calibration and validation of the installed system shall continue during the entire Warranty Period on yearly basis.
5. The individual submersible pump location shall store the data for at least one year.
6. Supply a detailed operation and maintenance manual for each appropriate unit of supplied goods.
7. The firm will provide protection like canopy etc. to DWLR instrument at all existing observation bore wells without any extra cost.
8. The system should be watertight (IP68 for sensor all connectors & IP65 for data logger or equivalent) and impact resistant;
9. The system should allow easy access for monitoring measurements without removing complete system.
10. The system must have integrated energy management system using free programmable time Slots for measurement and transmission to minimize power consumption;
11. An alarm notification must be sent by the system via SMS to user defined phone numbers Through suitable means of communication for user defined parameters. This includes battery Performance (battery voltage).
12. Data logger shall be provided with Atmospheric Pressure sensor at individual submersible pump, & Atmospheric Pressure correction shall applied automatically on the raw water level reading from non-vented water level sensor. The details of correction procedure shall be fully documented in user manual. Provision shall be made to view and store the raw and compensated water level data along with atmospheric pressure and Water Temperature data in data logger memory
13. Data download / retrieval from remote TDWLR station to central server PC via GSM&GPRS network shall be provided.

**14. Release of Security Deposit after the warranty period of Piezometer with in-built memory and GPRS/GSM enabled telemetry system and Microprocessor based Electromagnetic Flow Meter with in-built memory and GPRS/GSM enabled telemetry system, the following conditions will be implies as follows-**

- i. The complete system i/c battery, sensor, server cost, sim charges etc. shall be inclusive and guaranteed for 5 years.
- ii. 30% of the Performance Guarantee shall be refunded to the contractor soon after the completion of the work and recording of the completion certificate.
- iii. 30% of the Performance Guarantee shall be retained as Security Deposit.
- iv. 40% of the Performance Guarantee retained as Security Deposit plus 2.5% Security Deposit already deducted from running bills (total  $2.5+2.5=5\%$ ) shall be refunded year wise proportionately.

<b>Schedule of Work</b>						
Name of work:- Replacement of rusted pipes at booster pump and Supply and fixing of Flow Meters, Telemetric Piezometer based on GSM & GPRS and, DTU, Delhi						
<b>S.No.</b>	<b>Item Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>	<b>DSR / MR</b>
1	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.					
1.1	MS angle of minimum 50x50x6 mm	650.00	Kg	133.70	₹ 86,905.00	10.2
3	Providing and fixing of Fiber glass sheet of minimum 2mm thick on the existing Wiremesh fabrication with the help of Nut, Bolt with Washer etc. as reqd.	20.00	Sqm	751.85	15037.00	MR
				<b>Total Rs.</b>	₹ 86,905.00	
	Multiplying Correction Factor (0.973) on DSR items 2023 :				₹ 84,558.57	
	Add cost index@ 3%				₹ 2,536.76	
	<b>Total Rs. (A)</b>				<b>₹ 1,01,942.00</b>	
2	Supplying, fixing, testing and commissioning of water pipes of following sizes of MS 'C' class along with necessary clamps, vibration isolators and fittings such as bends,tees etc.but excluding valves, strainers, gauges etc. adequately supported on rigid supports duly painted/buried in ground excavation and refilling etc. as per specification and as required complete in all respect. Note:-The Pipes size 150mm & below shall be M.S. 'C' class as per IS : 1239 and pipes size above 150mm shall be welded black steel pipe heavy class as per IS: 3589, from minimum 6.35mm thick M.S. Sheet for pipes upto 350 mm dia. And from minimum 7mm thick MS sheet for pipes of 400 mm dia and above.					
2.1	200mm dia.	50.00	Mtr	5962.00	298100.00	30.10.3

4	Supplying, installation, testing and commissioning of Telemetric Piezometer based on GSM & GPRS with Non-Vented hydrostatic pressure type sensor, appropriate measuring range and sensor cable length upto exact depth of boaring along with necessary accessories such as protection box, civil works for construction/repair of platform for fixing the protection box complete etc. as required.	5.00	Nos.	160357.00	801785.00	MR			
5	Supplying, installation, testing and commissioning of Electromagnetic Flow Meter measures the flow rate of liquid which has Power Consumption of <10 VA, Power Supply 90-260 VAC, Conductivity >5us/cm, Viscosity >200 centi pose and LCD Display complete etc. as required.	5.00	Nos.	115457.00	577285.00	MR			
6	Supplying, installation, testing and commissioning of GPRS/GSM based software for real time online monitoring of consumption of water with gateway server, mobile app, storage capacity to save operations log, tracking facility, check network failure in real time and ensure seamless data transfer at all Telemetric Piezometer install at submersible pump complete etc. as required.	1.00	Job	64134.00	64134.00	MR			
7	Replacement of the existing football from the existing tank of minimum 12 mtr depth with the help of crane / manually etc complete etc as reqd.	4.00	Job	10161.00	40644.00	LS			
				<b>Total Rs. (B)</b>	<b>₹ 17,81,948.00</b>				
<b>GRAND TOTAL(A+B)</b>					<b>₹ 18,83,890.00</b>				
<b>Say's Rs.</b>					<b>₹ 18,83,890.00</b>				

**LIST OF APPROVED MAKES FOR ELECTRICAL INSTALLATION WORK**

S.No.	Description	Makes
1	'C' Class Heavy Duty M.S. Pipe	TATA /Jindal (Hissar) /SAIL
2	Structure Steel Sections / Tubular Sections	TATA /Jindal (Hissar) /SAIL
3	FRP Sheet	Nisha/Kuber/Bhagwati/Autex/Navkar/Sagar
4	Rubber pipe for hose reel	Superex/Maruti/Newage/Safe Fire/Life Guard/Suprex/Padmini
5	RRL Hose(ISI Marked)/ First Aid Hose Reel/ Hose drum/ Hose Cabinet	Superex /Newage /Padmini /Safe Fire/ Life Guard
6	Air Vessel	Padmini/ Chawla Fire/ Getech/Newage
7	Telemetric Piezometer	Geokon/Stanley/BDE/RC
8	Electromagnetic Flow Meter	Krohne/ BDE/Siemens/ABB/RC
9	Telemetry System	Geokon/Stanley/ BDE/ Krohne/Siemens/ABB

## LETTER OF TRANSMITTAL

[On the Letterhead paper of the Tenderer, or partner Responsible Including full Postal address, telephone no., fax no. and E-Mail and address]

No.....

Date.....

To,

Chief Project Officer  
 Delhi Technological University  
 Shahbad Daulatpur,  
 Delhi-110042

**Name of Work: - Supply and fixing of Flow Meter, Telemetric Piezometer based on GSM & GPRS and replacement of rusted pipes at booster pump, DTU, Delhi**

Sir,

Having examined the details given in press Notice and bid document for the above work, I/We hereby submit the relevant information.

1. I / We hereby certify that all the statements made and information supplied in the enclosed forms A,B,C&D (As applicable) and accompanying statement are true and correct.
2. I/We have furnished all information and details necessary for eligibility and have no further pertinent information to supply.  
 I/We submit the requisite certified Net Worth certificate and authorize the Executive Engineer, Delhi Technological University Shahbad Daulatpur, Delhi to approach the certified CA issuing the Net Worth certificate to confirm the correctness thereof. I/We also authorize Executive Engineer, Delhi Technological University Shahbad Daulatpur, Delhi.
3. To approach individuals, employers, firms and corporation to verify our competence and general reputation.
4. I/We submit the following certificates in support of our suitability, technical knowledge and capability for having successfully completed the following works:

S.No.	Name of Work	Certificate from

The firm should upload letter of transmittal on separate sheet duly stamped and signed. Incase above space is in sufficient.

Enclosures:

Seal of bidder

Date of submission

SIGNATURE(S) OF BIDDERS (S)

J.E(E)

Correction.....  
 Deletion.....  
 Insertion.....

**FORM 'A'****FINANCIAL INFORMATION**

## I. Financial Analysis –

(a) The information supplied shall be the annual turnover on construction work of the bidder in term of the amount billed to client for each year for work in progress or completed.

<b>Financial Year</b>	<b>2023-24</b>	<b>2022-23</b>	<b>2021-22</b>	<b>2020-21</b>	<b>2019-20</b>
Gross Annual turnover on Construction works					
Profit / Loss **					

\* Amount to be filled in all columns \*\* Loss to be shown in with (-) sign

Signature of Bidder(s).

Signature of Chartered Accountant with Seal.

J.E(E)

Correction.....  
Deletion.....  
Insertion.....

**FORM 'B'**

**FORM OF BANKER'S CERTIFICATE FROM A SCHEDULED BANK**

This is to certify that to the best of our knowledge and information that M/s / Sh..... having marginally noted address, a customer of our bank are/is respectable and can be treated as good for any engagement upto a limit of Rs.....(Rupees.....).

This certificate is issued without any guarantee or responsibility on the bank or any of the officers.  
(Signature)

For the Bank NOTE:-

- (1) Banker's certificates should be on letter head of the Bank.
- (2) In case of partnership firm, certificate should include names of all partners as recorded with the Bank.

J.E(E)

Correction.....  
Deletion.....  
Insertion.....

**FORM "B-1"****FORM FOR CERTIFICATE OF NET WORTH FROM CHARTERED ACCOUNTANT**

It is to certify that the Net Worth of M/s ..... (Name & Registered Address of individual/firm/company), as on..... (the relevant date) is Rs ..... after considering all liabilities. It is further certified that the Net Worth of the company has not eroded by more than 30% in the last three years ending on (the relevant date)

.....  
**Signature of Chartered Accountant**

.....  
**Name of Chartered Accountant**

.....  
**Membership No. of ICAI**

.....  
**Date and Seal**

J.E(E)

Correction.....  
Deletion.....  
Insertion.....

## FORM 'C'

**DETAILS OF ELIGIBLE SIMILAR NATURE OF WORKS COMPLETED DURING THE LAST SEVEN YEARS  
ENDING PREVIOUS DAY OF LAST DAY OF SUBMISSION OF TENDERS**

S. No.	Name of work / project and location	Owner or sponsorin g organization	Cost of work in crores of rupees	Date of commencement as per contract	Stipulat ed date of complet ion	Actual date of compl etion	Litigation / Arbitration cases pending / in progress with details *	Name and address / telephone number of officer to whom reference may be made	Whether the work was done on back to back basis Yes/ No
1	2	3	4	5	6	7	8	9	10

**DETAILS OF ELIGIBLE SIMILAR NATURE OF WORKS UNDER EXECUTION**

S. No.	Name of work / project and location	Owner or sponsorin g organization	Cost of work in crores of rupees	Date of commencement as per contract	Stipulat ed date of complet ion	Upto date %age progre ss of work	Slow progress if any & reasons thereof.	Name and address / telephone number of officer to whom reference may be made	Remarks i/c grant of extension of Time with/without levy detail
1	2	3	4	5	6	7	8	9	10

J.E(E)

Correction.....  
Deletion.....  
Insertion.....

**Form of Performance Security (Guarantee)  
Bank Guarantee Bond**

1. In consideration of the Delhi Technological University (hereinafter called 'The Government) having offered to accept the terms and conditions of the proposed agreement between \_\_\_\_\_ and (hereinafter called 'the said contractor(s) for the work "as per NIT" (hereinafter called "the said agreement") having agreed to production of an irrevocable Bank Guarantee for Rs.....(Rupees \_\_\_\_\_ only) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

We, \_\_\_\_\_ (hereinafter referred to as "the Bank") hereby undertake (indicate the name of the Bank) to pay to the Government an amount not exceeding Rs.\_\_\_\_\_ (Rupees \_\_\_\_\_ only) on demand by the Government.

2. We, \_\_\_\_\_ do hereby undertake to pay the amounts due and payable

Under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed as required to meet the recoveries due or likely to be from the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.\_\_\_\_\_ (Rupees \_\_\_\_\_ only)

3. We, the said bank further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractors) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the contractor(s) shall have no claim against us for making such payment.

4. We, \_\_\_\_\_ further agree that the guarantee herein contained shall (indicate the name of the Bank)

remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in-Charge on behalf of the Government certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.

5. We, \_\_\_\_\_ further agree with the Government that the Government (indicate the name of the Bank)

shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms & conditions of the said agreement or to extend time of performance by the said Contractor (s) from time or the postpone for any time or from time any of the powers exercisable by the Government against the said contractor(s) and to forbear or enforce any of the terms & conditions relating to the said agreement and we shall not be relieved from our liability by reason of any

such variation, or extension being granted to the said Contractor(s) or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).

7. We \_\_\_\_\_ lastly undertake not to revoke this guarantee except (indicate the name of the Bank) with the previous consent of the Government in writing.

8. This guarantee shall be valid upto \_\_\_\_\_ unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs \_\_\_\_\_ (Rs \_\_\_\_\_ only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the \_\_\_\_\_ day of \_\_\_\_\_ for \_\_\_\_\_ (indicate the name of the Bank)

J.E(E)

**Signature Not Verified**

Correction.....

Digitally signed by ASHOK KUMAR PANDEY  
Date: 2025.12.09 18:18:53 IST  
Location: NCD of Delhi-DL