



ENGINEERING CELL
Delhi Technological University
Shahbad Daulatpur, Bawana Road, Delhi-110042

File No: DTU/Engg. Cell/003446/2022/Civil

Dated: 27.03.2024

NOTICE INVITING QUOTATION

The Chief Project Officer, Engineering Cell, DTU invites, on behalf of Delhi Technological University, sealed percentage rate quotations from Contractors up to 03.00 PM on 05.04.2024 for the following works, which shall be opened at 03:30 PM on the same day. Schedule of work along with terms and conditions can be obtained from office of the Chief Project Officer/DTU or DTU website on all working days by submitting an application along with a copy of G.S.T. No. or PAN Card up to 02:00 PM on 05.04.2024.

S. No.	Name of Work	Estimated Cost (Rs.)	Time Allowed	Last date of Receipt of Quotation
1.	Consultancy Services, conditional assessment and suggesting remedial measures for existing building structure at DTU East Delhi campus.	4,70,171/-	As per the schedule given	05.04.2024

TERMS & CONDITIONS: -

- The work shall be executed as per specification and direction of Engineer-in-Charge.
- Contractor should coordinate with staff of DTU during the execution of work and execute work as per convenient of DTU staff.
- Penalty will be imposed if contractors will fail to complete the project within given payment & delivery schedule. Penalty will be decided by the competent authority of DTU.
- Consultant Architect should submit the drawing of each layout, sections, detailing etc. on A-1 sheet and 03 sets of each drawing showing all types of the structural plan, detailing drawings etc.
- Contractor should submit all drawings in cadd format as well as pdf format in pen drives and CDs.
- The work is to be complete as per the given schedule.
- No T&P shall be issued to the firm by the department.
- Necessary recoveries shall be made from the bill.

Enclosure: 1. Schedule of work

2. Payment and Delivery schedule

Anwar
28/3/24
Chief Project Officer
DTU Campus, Bawana Road

Copy to: -

- Registrar, DTU
- Sr. Account Officer-1, DTU
- J.E. (Civil)
- DTU website
- Notice Board
- Guard File

Anwar
28/3/24
A.E. (Civil)-CDC, DTU

Payment & Delivery Schedule

Payment Schedule in terms of the Scope of Work and Deliverable given would be as under: -

S. No.	Payment Stage	Percentage (%) Fee Payable	Time Allowed from the date issue of the work order/LOA
1.	<u>Item no.- 01</u> Site visit to assess the Structural safety of the existing building, Taking out measurement of existing structural member like column sizes, beam sizes, etc. and also marking the damaged and affected members on drawings as well and Marking of testing location for NDT	15%	10 days
2.	<u>Item no.- 02 (a to i)</u> Conditional survey of the buildings by Destructive / Non Destructive Test.	35%	20 days
3.	<u>Item no.- 03 (j to k)</u> Preparation of BOQ, preparation of detailed estimate with DSR/ Market rate. Analysis of rates of market rate items. Preparation of structural drawings for remediation or retrofitting.	40%	30 days
4.	<u>Item no.- 04 (l)</u> Site Visits during execution and coordination meetings	10%	On completion of the work execution at site

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Schedule of Work

Name of Work: - Consultancy Services, conational assessment and suggesting measure for building structure at DTU East campus.


S. No.	Description of Item	Qty	Unit	Rate	Amount
Stage A					
1	Site visit to assess the Structural safety of the existing building by visual inspection & taking photograph of critical structural element such as Columns and Beams. Structural survey of the existing building by Rapid visual screening as per IS 13935:2009 and IS15988:2013 & taking photograph of critical structural distress points if any. Taking out measurement of existing structural member like column sizes, beam sizes, etc. and also marking the damaged and affected members on drawings as well and Marking of testing location for NDT	1 job	Job	per job	35,000.00
Stage B					
2	Conditional survey of the buildings by Destructive / Non Destructive Test				
a)	Rebound hammer: To find out the compressive strength of concrete by using rebound hammer as per IS: 13311 (Part 2) – 1992.	25	Nos.	500.00	12,500.00
b)	Concrete core Test: Drilling out and testing of concrete core for evaluation of the compressive strength of concrete.	6	Nos.	6500.00	39,000.00
c)	UPV test (Ultrasonic Pulse Velocity test): Ultrasonic scanning to evaluate homogeneity and integrity of concrete.	25	Nos.	650.00	16,250.00
d)	Half-Cell Potential Test: To assess the severity of steel corrosion is to measure the corrosion.	6	Nos.	1,600.00	9,600.00
e)	Ph. value (to check alkalinity of concrete) as per relevant B.S. 5328, ACI 201.2R-92 and ACI-318-99, IS 456:2000, BS 8110	6	Nos.	600.00	3,600.00

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f)	Carbonation Test: Measurement of carbonation depth by phenolphthalein spray test at selected locations on RCC members of the structures covered under the study to see the depth of carbonation as per BS EN 14630:2006, BS EN 13295:2004. Ratio of Carbonation depth to cover depth is also measured to check the intensity of carbonation attack on steel bar Measurement of carbonation depth by phenolphthalein spray test at selected locations on RCC members of the structures covered under the study to see the depth of carbonation as per BS EN 14630:2006, BS EN 13295:2004. Ratio of Carbonation depth to cover depth is also measured to check the intensity of carbonation attack on steel bar	6	Nos.	600.00	3,600.00
g)	Water Soluble Chloride Content % (by mass of concrete) to check the risk of corrosion due to present chloride % as per IS: 14959 (Part 2) – 2001, B.S. 5328 Part 1, ACI 201. 2R-92, BS 1881 Part 124:1988, BS 8110, IS 456:2000	6	Nos.	1,500.00	9,000.00
h)	Cover meter Test	6	Nos.	400.00	2,400.00
i)	Submission of NDT report in duplicate copy	1 Job	Job	L. S.	10,000.00
j)	Preparation of BOQ, preparation of detailed estimate with DSR/ Market rate. Analysis of rates of market rate items.	1	job	L S	60,000.00
k)	Preparation of structural drawings for remediation or retrofitting.	1	job	L. S.	70,000.00
l)	Site Visits during execution and coordination meetings	15	Nos.	8,500.00	127,500.00
				Taxable Amount	398,450.00
				Add:- GST @ 18.00%	71,721.00
				Grand Total Cost	470,171.00
(Rupees in Word:- Rupees Four Lakh Seventy Thousand One Hundred Seventy One Only)					


J.E. (Civil)


A.E. (Civil) 28/03/24


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