



DELHI TECHNOLOGICAL UNIVERSITY
(Formerly Delhi College of Engineering)
Shahbad Daulatpur, Main Bawana Road, Delhi-42

File No: DTU/Engg. Cell/0031/2024-25/Civil

Dated: 24.06.2024

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 28.06.2024 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 28.06.2024.

S. No.	Name of Work	Estimated Cost (Rs.)	Time Allowed	Last date of Receipt of Quotation
1.	Repairing of existing boundary wall near APJ hostel at Delhi Technological University.	4,83,999/-	30 days	28.06.2024

TERMS & CONDITIONS: -

- The work shall be carried out as per CPWD specifications and as per direction of Engineer-in-Charge.
- The rates quoted should be inclusive of all the taxes and duties & nothing extra shall be paid.
- 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 inclusive Water charges @1% and Electricity Charges @1% shall be deducted from the bill.
- Penalty on account of delay of the work (if any) may be imposed @500/- per day or as per the direction of Engineer-In-Charge.
- Material should use only as per approved material list as attached.
- Contractor is advisable to visit the site before submitting the quotation and all the damages and overheads for necessary arrangements shall be borne by the contractor. Nothing shall be paid extra on any account.

Enclosure: 1. Schedule of work
2. List of approved makes.

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**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

A.E. (Civil) CDC, DTU
24/06/24

Schedule of Quantity						
Name of work : Repairing of existing Boundary Wall near APJ hostel at Delhi Technological University.						
Item	DSR 2021	Description of Item	Quantity	Unit	Rate	Amount
No.					Rs.	Rs.
1	2.6	excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in charge.				
1.1	2.6.1	All kinds of soil	18.00	Cum	205.45	3698.10
2	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	14.00	Cum	253.95	3555.30
3	4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	1.00	Cum	6326.05	6326.05
4	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:				
4.2	4.2.3	1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	0.16	Cum	9375.20	1509.41
	5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and				
	5.2.2	1:5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	6.00	Cum	10185.05	61110.30
5	5.9	Centering and shuttering including strutting, propping etc. and removal of form for :				
5.1	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	9.00	Sqm	307.95	2771.55
5.2	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	15.00	Sqm	608.35	9125.25
5.3	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	10.00	Sqm	804.25	8042.50
6	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
6.1	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or m	350.00	Kg	89.65	31377.50
7	5.22A	Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level.				
7.1	5.22A.6	Thermo-Mechanically Treated bars	200.00	Kg	89.65	17930.00
9	6.32	Brick work with clay flyash F.P.S. (non modular) brick of class designation 7.5 in superstructure above plinth level up to floor five level in :				
9.1	6.32.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	7.00	Cum	8190.90	57336.30
10	13.5	15 mm cement plaster on rough side of single or half brick wall of mix:				
10.1	13.5.2	1:6 (1 cement: 6 coarse sand)	84.00	Sqm	339.10	28484.40
11	13.16	6 mm cement plaster of mix :				
11.1	13.16.1	1:3 (1 cement: 3 fine sand)	5.00	Sqm	253.05	1265.25

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12	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade :				
12.1	13.46.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	180.00	Sqm	166.85	30033.00
13	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
	13.61.1	Two or more coats on new work	40.00	Sqm	131.45	5258.00
14	13.80	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 complete.	180.00	Sqm	123.85	22293.00
	14.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.				
15	14.1.1	With cement mortar 1:4 (1 cement : 4 fine sand)	50.00	Sqm	462.30	23115.00
16	14.72	type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer in-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding.	50.00	Sqm	285.00	14250.00
17	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in charge				
17.1	15.2.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent)	2.00	Cum	2007.10	4014.20

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18	15.7	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge					
18.1	15.7.4	In cement mortar	5.00	Cum	1698.45	8492.25	
19	15.9	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge :					
19.1	15.9.2	In cement mortar	20.00	Cum	2027.10	40542.00	
20	15.18	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	50.00	Kg	4.65	232.50	
21	15.36	Dismantling barbed wire or flexible wire rope in fencing including making rolls and stacking within 50 metres lead.	150.00	Kg	30.35	4552.50	
22	15.60	Disposal of building rubbish / malba / 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.	25.00	Cum	219.35	5483.75	
23	16.18	Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire weighing 9.38 kg per 100 m (minimum), between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately). Payment to be made per metre cost of total length of barbed wire used.					
23.1	16.18.1	With G.I. barbed wire	342.00	Mtr	19.60	6703.20	
	16.19	Supplying at site Angle iron post & strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes upto 10 mm dia. etc. complete.	150.00	Kg	99.95	14992.50	
24	16.53	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 4.5 m height of wall with existing angle iron 'Y' shaped placed 2.4m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	57.00	Mtr	303.65	17308.05	
						TOTAL	429801.86
						Add applicable rate of GST @ 18% in place of 12%(Multiplying factor 1.0633) on DSR	457008.31
						Add cost index @ 7% as per CPWD order	31990.58
						Total	488998.90
25	NSR	Credit for old dismantled steel including taking away from site as per direction of Engineer-in-Charge. (Dismantled materials shall be the property of contractor)	200.00	K.G.	-25.00	-5000.00	
						Total	483998.90
						SAY TOTAL	483999.00

Alavi
Junior Engineer (Civil)

Alavi
A.E. (Civil) 07.06.24

CPO/DTU

LIST OF APPROVED MAKES OF MATERIALS [CIVIL WORK]

S.NO.	MATERIAL	MANUFACTURERS NAME
	CIVIL ITEMS	
1.	CEMENT	ACC, ULTRATECH, AMBUJA, J.K., LAFARGE, BIRLA, CCI, JK LAKSHMI
2.	REINFORCEMENT STEEL-TMT BARS-FE-500D GRADE	SAIL, TATA STEEL, RINL, JSW, JSPL
3.	STRUCTURAL STEEL SECTIONS	SAIL, TISCO, RINL, JSW, JINDAL STEEL & POWER, JINDAL, TATA
4.	STRUCTURAL STEEL TUBES/PIPES	JINDAL, TATA, APL APOLLO, ELECTRO STEEL, G.S.F., PRAKASHSURYA, LLOYDS
5.	LGSF VENDORS	M/S INTERARCH BUILDING PRODUCTS PVT. LTD., M/S TATA BLUESCOPE STEEL LTD., M/S MGI INDIA PVT. LTD., M/S JSPL, M/S EVEREST INDUSTRIES LTD., M/S WOOTZ BUILDSYS LLP., M/S EPACK POLYMERS.
6.	READY MIXED CEMENT CONCRETE	ACC, LAFARGE, ULTRATECH, SHREE, ALCHON, L&T GRASIM, NSCONCRETE, RMC READYMIX (INDIA), SHAILA ENTERPRISES, RDC CONCRETE, TECHNO PRIME RMC PVT LTD, VK READY MIX CONCRETE, ASHTECH, SHRI RAM READY MIX CONCRETE
7.	ANTI-TERMITE TREATMENT AGENCY	PEST CONTROL INDIA LTD, GODREJ PEST CONTROL, CAPITAL PEST CONTROL (INDIA)
8.	CHEMICAL TO BE USED FOR 20% E.C.ANTI-TERMITE TREATMENT	DE-NOCIL AND BAYER
9.	SHUTTERING PLY	GREENPLY SHUTTERING PLY, ARCHID SHUTTERING PLY, EURO SHUTTERING PLY
10.	SUPERPLASTICIZERS	MC BAUCHEMIE/FOSROC/SIKA/BASF/CHRYSO/VELOSIT/PIDILITE
11.	WHITE CEMENT	BIRLA WHITE , J.K. WHITE
12.	AAC BLOCK	SHREE, INSTABLOCK, BILTECH, MAGICRETE, SIPROX, BIRLA AEROCON, J.K., CLAVECON INDIA PVT. LTD., J.K. LAKSHMI, B.G. SHIRKE/ INDO BHUTANCONSTRUCTION SOLUTION, ULTRATECH XTRALITE,
13.	BLOCK JOINTING MORTAR	JK LAKSHMI, BIRLA AEROCON SMARTFIX, MYK SCHOMBURG, ULTRATECH, FERROUSCRETE, ARDEX
14.	GLAZED CERAMIC TILES	RAK CERAMICS, SOMANY, KAJARIA, NITCO, ORIENT BELL,JOHNSON, ASIAN (AGL)
15.	VITRIFIED TILES	RAK CERAMICS, SOMANY, KAJARIA, ORIENT BELL, JOHNSON,ASIAN(AGL), RESTILE
16.	WALL PUTTY	JK WHITE, BIRLA WHITE, ASIAN, BERGER, BIRLA
17.	PLASTER OF PARIS	RLA, JSW
18.	GYPSUM PLASTER	JK LAKSHMI, SAKARNI, SHRIRAM, NIRMAN
19.	ANCHOR PLUG SOIL/ ROCK ANCHOR	SAINT GOBAIN, SAKARNI, J.K. LAKSHMI
		BBR, VSL, FREYSSINET

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20.	PORCELAIN TILES	JOHNSON, ASIAN(AGL)
21.	CHEQUERED TILE	NITCO, ULTRA, UNISTNOE, MODERN
22.	CC PAVERS, PRECAST CC KERB STONE, CC TILES,RCC SLAB	NITCO, BHARAT, HINDUSTAN, ULTRA, KJS CONCRETE, DURACRETE, KK MANHOLE & COVERS, TERRA FIRMA, PAVER INDIA, DALAL, UNISTONE, CECO, S&S, MOON LIGHT, SWASTIK, ECOCRETE
23.	GRASS PAVER	UNISTONE, ULTRA, HINDUSTAN, KK, KJS
24.	SFRC/PRECAST C.C. COVERS	KK MANHOLE & COVERS, JAIN, PRAGATI, HINDUSTAN
25.	FLYASH BRICKS	POWER BRICK, YBW PROJECT, ASHTECH INDUSTRIES PVT. LTD.
26.	GLASS MOSAIC TILES	PALLADIO, CORAL, MRIDUL, BISAZZA, MMG TILES
27.	INSULATION FOR PIPE, RUBBER INSULATION	KAIFLEX, ARMAFLEX, CAREFLEX, VIDEOFLEX AFLEX
28.	COPPER TUBES/ PIPES	RAJCO, MEXFLOW, DELHI METAL, ABC
29.	READY MIX PLASTER	BIRLA AEROCON, ULTRATECH, RAMCO, WEBER, LATICRETE
30.	RAISED / CAVITY FLOORING	UNI FLOOR, UNITILE INDIA, TATE, ZTFLOOR, ACCESS FLOOR SYSTEMS
31.	DECK SHEET	JSW, TATA BLUESCOPE, INTERARCH, JSPL, ROOFCLAD
32.	SELF-DRILLING SCREWS	TW BUILDEX & BOUSTED, CORROSHIELD, ATUL FATERNERS LTD.
	PAINTS	
1.	WATER-PROOFING CEMENT PAINT	ASIAN, BERGER, DULUX
2.	ACRYLIC EXTERIOR PAINT	ASIAN (APEX ULTIMA), BERGER (WEATHER COAT LONGLIFE), DULUX (WEATHER SHIELD POWER FLEX)
3.	SYNTHETIC ENAMEL PAINT	ASIAN (APCOLITE), BERGER (LUXOL GLOSS), DULUX (DULUX GLOSS)
4.	PLASTIC/ACRYLIC EMULSION PAINT	ASIAN (ROYAL SHYAN), BERGER (SILK GALMOUR), DULUX (VELVET TOUCH DIAMOND)
5.	ACRYLIC DISTEMPER	ASIAN (AQUA LOCK ACRYLIC), BERGER (Bison SUPER), DULUX (MAGIC ACRLYIC)
6.	CEMENT PRIMER	ASIAN (DECOPRIME), BERGER (SOLVENT BASE), DULUX (SOLVENT BASE)
7.	WALL PUTTY	BIRLA, J.K., JSW

The Agency is required to get prior approval of Engineer-in-charge for the make of the material to be used in the work. In case of non-availability of material from these manufacturers, the Hon'ble Vice Chancellor, DTU may allow use of alternative BIS approved manufacturer makes.

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Chief Project Officer
Delhi Technological University