



**ENGINEERING CELL**  
**Delhi Technological University**  
Shahbad Daultapur, Bawana Road, Delhi-110042

File No: DTU/Engg.Cell/0096/2023-24/Civil

Dated: 25.09.2023

**NOTICE INVITING QUOTATION**

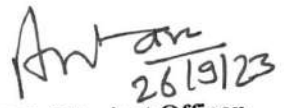
The Chief Project Officer, Engineering Cell, DTU invites, on behalf of Delhi Technological University, sealed percentage rate quotations from Contractors up to 03.00 PM on 29.09.2023 for the following works, which shall be opened at 03:30 PM on the same day. Schedule of work along with terms and conditions 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 29.09.2023.

S. No.	Name of Work	Estimated Cost (Rs.)	Time Allowed	Last date of Receipt of Quotation
1.	Addition/alteration work in room at ground floor of Virangana Laxmibai Girls Hostel to make the provision of pantry at DTU campus.	4,50,383/-	30 days	29.09.2023

**TERMS & CONDITIONS:-**

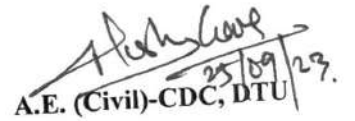
1. The work shall be carried out as per CPWD specifications and as per direction of Engineer-in-Charge.
2. The rates quoted should be inclusive of all the taxes and duties & nothing extra shall be paid.
3. No T&P shall be issued to the firm by the department.
4. Penalty on account of delay of the work (if any) may be imposed @500/- per day or as decided by the Engineer-in-Charge.
5. Water charges @1% and Electricity charges shall be deducted from the bill as per norms/ rules.
6. Necessary recoveries shall be made from the bill.

**Enclosure: 1. Schedule of work 2. Approved make list.**

  
26/9/23  
Chief Project Officer  
DTU Campus, Bawana Road

Copy to: -

1. Registrar, DTU
2. Sr. Account Officer-1, DTU
3. J.E. (Civil)
4. DTU website
5. Notice Board
6. Guard File

  
25/09/23  
A.E. (Civil)-CDC, DTU

### APPROVED MAKES OF MATERIALS (CIVIL)

The Contractor shall obtain prior approval from the Engineer-in-charge before placing order for any specific material or engaging any of the specialized agencies. The Contractor shall make a detailed submission with catalogues and proposed specifications, as well as full details of the works executed by the specialized agency, as specified. Unless otherwise specified, the brands/makes of the material as specified in the item nomenclature, in the list of approved materials attached in the tender and in the particular specifications shall be used in the work. Department shall also get random testing of material from testing Laboratory of its choice.

#### LIST OF APPROVED MAKES OF MATERIALS

S.NO.	MATERIAL	MANUFACTURERS NAME
<b>CIVIL ITEMS</b>		
1.	CEMENT	ACC, ULTRATECH, AMBUJA, LAFARGE, CCI, BINANI, 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, TRAVANCORE
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, SARA PUTTY, STP LTD., SHALIMAR, ASIAN, BERGER, BIRLA AEROCON SMARTPUTTY, SAKARNI WALL GUARD
17.	PLASTER OF PARIS	JK LAKSHMI, SAKARNI, SHRIRAM, NIRMAN
18.	GYPHUM PLASTER	SAINT GOBAIN, SAKARNI, J.K. LAKSHMI
19.	ANCHOR PLUG SOIL/ ROCK ANCHOR	BBR, VSL, FREYSSINET
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.

*AS*  
AECU

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 BUILDDEX & BOUSTED, CORROSHIELD, ATUL FATERNERS LTD.
<b>CONSTRUCTION CHEMICALS</b>		
1	WATERPROOFING COMPOUND	VELOSIT , FOSROC, PIDILITE, SIKA, SUNANDA SPECIALITY COATINGS, MYK SCHOMBERG, STP LTD, X-CALIBUR CONSTRUCTION SYSTEMS INC, SUPREME BITUCHEM INDIA PVT LTD, MC BAUCHEMIE, RACHTR CHEMICALS, CHOWGULE, FIRESTONE, ARDEX ENDURA
2	ADMIXTURES	FOSROC, SIKA, VELOSIT, CICO, BASF, STP LTD., SUNANDA SPECIALITY COATINGS, MYK SCHOMBURG, HEADWAY CHEMICALS INDIA PVT LTD, SUPREME BITUCHEM INDIA PVT. LTD, MC BAUCHEMIE, CHOWGULE, ARDEX ENDURA
3	TILE ADHESIVE	ARDEX ENDURA, LATICRETE, FOSROC, SUNANDA SPECIALITY COATINGS, MAGICRETE, VELOSIT, HEADWAY CHEMICALS INDIA PVT LTD, SUPREME BITUCHEM INDIA PVT LTD, RACHTR CHEMICALS, CHOWGULE, STP LTD.
4	GROUTING COMPOUND	ARDEX ENDURA, PIDILITE, LATICRETE, SUNANDA SPECIALITY COATINGS, FOSROC, CICO, STP LTD. VELOSIT, WEBBER, MYK SCHOMBURG, HEADWAY CHEMICALS INDIA PVT LTD, SUPREMEBITUCHEM INDIA PVT. LTD, RACHTR CHEMICALS, CHOWGULE, STP LTD.
5	EPOXY MORTAR	FOSROC, VELOSIT, SIKA, SUNANDA SPECIALITY COATINGS, CICO, HEADWAY CHEMICALS INDIA PVT LTD, SUPREME BITUCHEM INDIA PVT LTD, MYK SCHOMBURG, RACHTR CHEMICALS, CHOWGULE, STP LTD.
6	HIGH PERFORMANCE EPOXY BASED RESIN ANCHORSYSTEM	BASF, FOSROC, HILTI, SUNANDA SPECIALITY COATINGS, X CALIBUR CONSTRUCTION SYSTEMS INC, SUPREME BITUCHEMINDIA PVT LTD, RACHTR CHEMICALS, CHOWGULE, STP LTD.
7	POLYSULPHIDE / SILICON SEALANT	GE, DOW CORNING, PIDILITE, WACKER, SUNANDA SPECIALITY COATINGS, CONSTRUCTION PRODUCTS INDIA LTD, HEADWAY CHEMICALS INDIA PVT LTD, SUPREME BITUCHEM INDIA PVT. LTD, BENGAL BITUMEN, MYK SCHOMBURG, STP LTD.
8	SOLVENT BASED SILICONE REPELLENT COATING	PIDILITE, GE, MC BAUCHEMIE, WACKER, VELOSIT, SUNANDA SPECIALITY COATINGS, X CALIBUR CONSTRUCTION SYSTEMS INC, RACHTR CHEMICALS, CHOWGULE, MYK SCHOMBURG, STP LTD.
9	FLOOR HARDENER	PIDILITE, FOSROC, SIKA, MC BAUCHEMIE, VELOSIT, MYK SCHOMBURG, X CALIBUR CONSTRUCTION SYSTEMS INC, SUPREME BITUCHEM INDIA PVT LTD, RACHTR CHEMICALS, STP LTD. , ARDEX ENDURA
10	FIRE RETARDANT PAINT	SUNANDA SPECIALITY COATINGS, AKZONOBEL, PROMAT
11	APP MEMBRANE WATERPROOFING	PIDILITE, SIKA, STP LTD., TEXSA BITUMAT CO. LTD., SUNANDASPECIALITY COATINGS, HEADWAY CHEMICALS INDIA PVT LTD, SUPREME BITUCHEM INDIA PVT LTD, BENGAL BITUMEN, CHOWGULE, MYK SCHOMBURG
12	A. INTEGRAL CRYSTALLINE ADMIXTURE FOR CONCRETE WATERPROOFING TREATMENT	VELOSIT, PENETRON, KRYTON, SUNANDA SPECIALITY COATINGS, X CALIBUR CONSTRUCTION SYSTEMS INC, MC BAUCHEMIE, CHOWGULE, MYK SCHOMBURG, STP LTD. , ARDEX ENDURA

*LS*  
*ABC*

	B. CRYSTALLINE POWDER WATERPROOFING COATING	VELOSIT, PENETRON, KRYTON, SUNANDA SPECIALITY COATINGS, X CALIBUR CONSTRUCTION SYSTEMS INC, BENGAL BITUMEN, CHOWGULE, MYK SCHOMBURG, STP LTD., ARDEX ENDURA
13	ADHESIVES	FEVICOL, ANCHOR, DUNLOP, 3M, PIDILITE, SIKA, THERMOSHIELD, VAMORGANIC, MYK SCHOMBURG, VELOSIT, XCALIBUR CONSTRUCTION SYSTEMS INC, RACHTR CHEMICALS, CHOWGULE, STP LTD.
14	WEATHER SILICON SEALANT	WACKER, DOW CORNING, MCCOY, SOUDAL, SUNANDASPECIALITY COATINGS, RACHTR CHEMICALS, STP LTD.
15	BACKER ROD	SUPREME IND.LTD., SYSTRANS POLYMERS, RACHTR CHEMICALS
16	BITUMEN, CRMB-55, CRMB-60, PMB	INDIAN OIL, HINDUSTAN PETROLEUM, BHARAT, PETROLEUM, SWASTIK, SHIVA ASPHALT, OOMS PMR PVT LTD, BENGAL BITUMEN, STP LTD.
17	NON METALIC SURFACE HARDNER	FORSOC, SIKA, VELOSIT, MC BAUCHEMIE, SUNANDA SPECIALITY COATINGS, X CALIBUR CONSTRUCTION SYSTEMS INC, SUPREME BITUCHEM INDIA PVT LTD, MYK SCHOMBURG, RACHTR CHEMICALS, STP LTD.
18	SUNKEN PORTION / TERRACE WATERPROOFING CEMENTITIOUS TREATMENT	VELOSIT, FORSOC, SIKA, MC BAUCHEMIE, SUNANDA SPECIALITY COATINGS, X CALIBUR CONSTRUCTION SYSTEMS INC, SUPREME BITUCHEM INDIA PVT LTD, MYK SCHOMBURG, BENGAL BITUMEN, CHOWGULE, FIRESTONE, STP LTD.
19	PVDF COATING	RADIANT, ANODIZERS, AKZONOBLE, VALSPAR
20	CURING COMPOUND	FORSOC, VELOSIT, SUNANDA SPECIALITY COATINGS, SIKA, BASF, MC BAUCHEMIE, SUPREME BITUCHEM INDIA PVT LTD, MYK SCHOMBURG, RACHTR CHEMICALS, STP LTD., ARDEX ENDURA
21	ACCESS FLOOR SYSTEM	KEBAO, COMFLOOR, M-FLOOR, MC BAUCHEMIE
22	PVC WATER STOPS	FOXOPAM, MARUTI RUBBER, VELOSIT, X CALIBUR CONSTRUCTION SYSTEMS INC.
23	CORROSION INHIBITING ADMIXTURE (ASTM G1, ASTM G3, ASTM G 109)	SUNANDA SPECIALITY COATINGS, BASF, FOSROC, SIKA, MYK SCHOMBURG, VELOSIT, STP LTD.
24	LIQUID APPLIED MODIFIED PU WATERPROOFING MEMBRANE FOR BRIDGE DECK WATERPROOFING / TERRACE WATERPROOFING	VELOSIT, SUNANDA SPECIALITY COATINGS, BASF, X CALIBUR CONSTRUCTION SYSTEMS INC, BENGAL BITUMEN, CHOWGULE, MYK SCHOMBURG, FIRESTONE, STP LTD., ARDEX ENDURA
25	ANTICARBONATION COATINGS	SUNANDA SPECIALITY COATINGS, VELOSIT, BASF, FOSROC, ICI LTD, HEADWAY CHEMICALS INDIA PVT LTD, SUPREME BITUCHEM INDIA PVT LTD, MC BAUCHEMIE, CHOWGULE, ICI LTD, NEROLAC, BERGER, ASIAN PAINTS, MYK SCHOMBURG, STP LTD., ARDEX ENDURA
26	FOOD GRADE EPOXY COATING	SUNANDA SPECIALITY COATINGS, SIKA, BASF, VELOSIT, X CALIBUR CONSTRUCTION SYSTEMS INC, RACHTR CHEMICALS, CHOWGULE, MYK SCHOMBURG, STP LTD., ARDEX ENDURA
27	EPOXY FLOORING	SUNANDA SPECIALITY COATINGS, SIKA, BASF, RACHTR CHEMICALS, CHOWGULE, MYK SCHOMBURG, STP LTD., ARDEX ENDURA
28	PU FLOORING	SUNANDA SPECIALITY COATINGS, SIKA, BASF, VELOSIT, X CALIBUR CONSTRUCTION SYSTEMS INC, RACHTR CHEMICALS, CHOWGULE, MYK SCHOMBURG, STP LTD., ARDEX ENDURA
29	INTUMESCENT FIRE COATINGS FOR STEEL STRUCTURE	SUKRI, NEWCHEM, SAPC INDIA, PROMAT, AKZO NOBEL, FSI LTD,
30	PU COATINGS FOR STRUCTURAL STEEL	SUNANDA SPECIALITY COATINGS, SIKA, VELOSIT, X CALIBUR CONSTRUCTION SYSTEMS INC, CHOWGULE, STP LTD

*AS*  
AEC



31	EPOXY COATINGS FOR STRUCTURAL STEEL	SUNANDA SPECIALITY COATINGS, SIKA, X CALIBUR CONSTRUCTION SYSTEMS INC, RACHTR CHEMICALS, LTD.
32	EPDM & SILICON GASKET	HANU, ANAND, RAVEN, ZERO, ROOP, LESCUYER, BENGAL BITUMEN, AMEE RUBBER, OSAKA ELTECH, AVIGIRI
<b>PAINTS</b>		
1	WATER-PROOFING CEMENT PAINT	ASIAN, ICI LTD, BERGER, NEROLAC, SNOWCEM, RACHTR CHEMICALS, CHOWGULE, STP LTD
2	TEXTURED EXTERIOR PAINT	ASIAN, BERGER, NEROLAC, SUNANDA SPECIALITY COATINGS, ICI, CHOWGULE, STP LTD
3	SYNTHETIC ENAMEL PAINT	ASIAN, ICI LTD, BERGER, NEROLAC
4	PLASTIC/ACRYLIC EMULSION PAINT	ASIAN, ICI LTD, BERGER, NEROLAC, SUNANDA SPECIALITY COATINGS, MYK SCHOMBURG, STP LTD
5	OIL BOUND DISTEMPER/ACRYLIC DISMTEMPER	ASIAN, ICI LTD, BERGER, NEROLAC,
6	CEMENT PRIMER	ASIAN, ICI LTD, BERGER, NEROLAC, SNOWCEM INDIA LTD.
7	PREMIUM ACRYLIC SMOOTH EXTERIOR PAINT EMULSION	BERGER, ASIAN, SUNANDA SPECIALITY COATINGS, NEROLAC, ICILT
8	STEEL/ WOOD PRIMER	ASIAN, ICI LTD, BERGER, NEROLAC,
9	EPOXY PAINT	ASIAN, ICI LTD, BERGER, NEROLAC, SNOWCEM INDIA LTD, SUNANDA SPECIALITY COATINGS, RACHTR CHEMICALS
10	WOOD FINISH (MELAMINE & PU POLISH)	ASIAN, ICI LTD, BERGER, NEROLAC, PIDILITE, WEMBLEY, STP LTD.
11	THERMOPLASTIC PAINTS	ASIAN PAINTS, BERGER, RELIANCE THERMOPLAST, S.N. IND. OSCAR,
12	ROAD MARKING PAINT	AUTOMARK (INDIA) INDUSTRIES LTD, STP LTD NEROLAC, ASIAN, SHALIMAR, BERGER, STP LTD.
13	VACUUM DEWATERING SYSTEM	SWITECH INDIA PVT LTD, TREMIX FLOORING,
<b>WOOD WORK</b>		
1	PLY BOARD, PLYWOOD	GREEN PLY/ GREEN PANEL, DURO, CENTURY, ARCHID, MERINO, NATIONAL,
2	LAMINATE	KITLAM
3	VENEER PLY, NATURAL WOOD VENEERS	ARCHID, MERINO, GREEN, CENTURY, KITLAM, FORMICA, NATIONAL
4	PRELAMINATED PARTICLE BOARD	MERINO, GREEN LAM, DURO, CENTURY, SONEAR, TRU-WOOD, MAYUR, ARCHID, KITLAM
5	FLUSH DOOR	CENTURY, KITLAM, MERINO, ACTION TESA, ARCHID, NATIONAL, ECOBOARD, ANCHOR, BHUTAN BOARD, GREEN LAM
6	GYPSUM BOARD	CENTURY, ARCHID, MERINO, KITLAM, NATIONAL, SWASTIK, CORBETT, KUTTY FLUSHDOOR, DURO, GREEN
7	LOCKS, LETCH	LAFARGE, SAINT GOBAIN GYPROC INDIA PVT. LTD, USG BORAL, AMF
8	FRICTION STAY HINGES, BALL BEARING HINGES & SPRING HINGES	GODREJ, HARRISON, PLAZA, YALE, HETTICH, HARDWYN, DORMA
9	NUTS, BOLTS & SCREWS	EARL-BIHARI, EBCO, GODREJ, DORMA, HAFELE, GEZE
10	DASH, ANCHORING FASTENERS & CRAMP	GKW, KUNDAN, PRIYA, ATUL, PUJA HILTI, FISCHER, TRIXEL FROM AXELINDIA, CANON, BOSCH
11	MDF/HDF BOARD	NIJWOOD, DURATUFE BAJAJ, MERINO, CENTURY, GREENPANEL
12	FRAME SYSTEM FOR INTERNAL PARTITION	SAINT GOBAIN GYPROC INDIA PVT. LTD, GYPROC, USG BORAL, AMF
13	WALL PAPER	ROSELLE, EGOWALL PAPERES VESCOM

AS  
RECY

14	ACOUSTIC MINERAL FIBRE CEILING AND GRIDSYSTEM	USG BORAL, AMF, ARMSTRONG
15	THERMAL INSULATION BOARDS	U.P TWIGA FIBERGLASS LTD, LLOYD, ROCKWOOL INDIA, TWIGAINSLATING INDIA
16	PREMIXED FORMULATED GYPSUM LIGHTWEIGHTPLASTER	ELITE-90 - GYPROC GOBAIN, FERRO - 700 GYPSUM PLASTER - FERROUS CRETE, RED TOP - USG BORAL BUILDING PRODUCTS (I) PRIVATE LIMITED,
17	IPE WOOD PANELS	TIMBER TRENDZ, KBJ INTERIORS, GRID FLOORS PVT LTD
18	PU POLISH FOR WOOD WORKS	ICA, ASIAN PAINTS, DULUX
19	TOILET CUBICLES	GREENLAM, MERINO, CENTURY
<b>ALUMINIUM, STEEL, FALSE CEILING, ROOF AND GLASS WORK</b>		
1.	STAINLESS STEEL HARDWARE FITTINGS (HEAVYDUTY)	DORMA, OZONE, GODREJ, GEZE, HAFELE, BLUM, DORSET,PERGO
2.	ALUMINIUM SECTIONS FOR DOORS, WINDOWS&PARTITIONS ETC.	JINDAL , HINDALCO, INDALCO, NALCO, BHORUKA, INDAL,
3.	ALUMINUM SHEET	NOVELIS, EURAMAX
4.	ANODISED/POWDER COATED ALUMINIUM HARDWARE (HEAVY DUTY)	NU-LITE, SARGENT, EVERITE, GODREJ, HARDIMA, HARDWARE,CLASSIC,ALKA, JINDAL, PULSE
5.	CLEAR/FLOAT/ FROSTED GLASS	MODI, SAINT GOBAIN, ASAHI, PILKINGTON, GOLD PLUS,GLAVERBEL (BELGIUM)
6.	FIRE RETARDANT ALUMINIUM COMPOSITE PANEL	ALSTRONG, REYNOBOND, ALPOLIC, ALUDECOR, ALUCOBOND, ALSTONE, CROSS BOND, ALUBOND DACS
7.	STAINLESS STEEL SECTION	JINDAL, KICH, ESSAR, NSTYLE-D-LINE, FABRINOX, SALES STEEL, DORMA, GEZE, OZONE
8.	HIGH PERFORMANCE SOLAR TOUGHENED GLASS	SAINT GOBAIN, ASAHI, PILKINGTON
9.	REFLECTIVE GLASS/LACQUE RED GLASS	SAINT GOBAIN , ASAHI, PILKINGTON, GLAVERBEL (BELGIUM),MODIGUARD, ATUL
10.	FALSE CEILING- GYPSUM	SAINT GOBAIN GYPROC INDIA PVT. LTD., LAFARGE, GYROC/BORAL
11.	FALSE CEILING- METAL WITH SUPPORTING GRID	SAINT GOBAIN, ARMSTRONG, DEXUNE, USG BORAL, ECOPHONE,DECOSONIC, DAIKEN, UNI-MAT
12.	ACOUSTICAL FALSE CEILING SYSTEM	ARMSTRONG, AMF, USG BORAL, SAINT GOBAIN, KNAUF DANOLINE
13.	AXIOMS	ARMSTRONG, AMF, USG BORAL, SAINT GOBAIN
14.	METAL MODULAR FALSE CEILING SYSTEM	ARMSTRONG, HUNTER DOUGLAS, TECHNO ACOUSTICS
15.	WOODEN METAL BAFFLE CEILING SYSTEM	ARMSTRONG, HUNTER DOUGLAS, TECHNO ACOUSTICS, DURLUM
16.	CALCIUM SILICATE FALSE CEILING SYSTEM	RAMCO HILUX, AEROLITE
17.	FIRE RATED GLASS/ HARDWARE	ST. GOBAIN, PILKINGTON, SCHOTT, SUKRITI
18.	TWO HOUR FIRE RATED METAL GLASS DOOR/HARDWARE	ST. GOBAIN, PILKINGTON, SCHOTT, SUKRITI
19.	UPVC WINDOW/DOORS	FENESTA, REHAU, ALUPLAST, PRIZMA, DUROPLAST, WINTECH, VEKA INDIA, KOMMERLING, APARNA PROFILES PVT LTD (OKOTECH)
20.	FIRE DOOR/HARDWARE	GODREJ, SHAKTI, NAVAIR, SUKRITI, PROMAT, KUTTY DOOR, BECKER FIRE SOLUTION
21.	PVC DOORS	RAJSHREE, FINOLEX PLASTICS, E-PLANTA, POLYLINE, DUROPLAST, SINTEX, FIBREWAYS, JAYNA
22.	FRP DOOR	FIBREWAYS, ASHOO MODEL ARTS, NAVIER, SUKARI PROMAT, KUTTY, JINDAL STAINLESS, BHATT FIBREWAYS, JAYNA, SELECTED

AS  
AECU

23.	FACTORY MADE SECTION WINDOW	M/S UNITED ENGG. WORKS, RAM NAGAR M/S METAL WINDOW CORP. ROHTAK M/S SKS STEEL INDUSTRIES PIRGARHI ANY OTHER ISI MARKED FACTORY MADE JANGID ENGINEERING WORKS (JAIPUR)
24.	PUFF INSULATED PANEL	LLOYD INSULATION, JINDAL, METECNO, SYNERGY, ROOFCLAD
25.	ANTI STATIC HIGH PRESSURE LAMINATE	FORMICA, MERINO, ANALCO, CENTURY, BAKELITE HYLAM, DECOLAM, SUNMICA (AICA)
26.	MIRROR	SAINT GOBAIN, MODIGUARD, AIS, ATUL, GOLDEN, PILKINGTON
27.	ROCKWOOL/GLASSWOOL INSULATION	TWIGAFIBER, LLOYD INSULATION, SUPREME, SIPLA, UNIFEB
28.	FRAME SYSTEM FOR INTERNAL	SAINT GOBAIN GYPROC, BOROL, AMS
29.	WIRE MESH	HAVER STANDARD, GRAND METAL, STRELING, TRIMURTYWELDED MESH, TIGER
30.	HYDRAULIC DOOR CLOSURE/FLOOR SPRING	HARDWYN, GODREJ, YALE, EVERITE, DOORKING, KELWIN, DORMA HAFELE, GEZE, DORSET, BECKER FIRE SOLUTION
31.	S.S. RAILING	JINDAL, ICICH, ESSAL, DORMA, CONNECT ARCHT., FABRINOX, STEEL N STYLE
32.	G.I. SHEET	SAIL, TATA, JINDAL, ISPAT, ROOFCLAD
33.	FIBRE GLASS SHEET	SIMCRYL (SIMBA), FIBREWAYS, ADVANCE FIBRE, ROOFCLAD
34.	ROLLING SHUTTER	RAMA ROLLING SHUTTER, JYOTI ROLLING SHUTTER, ANANDINDST. SHRI RAM ROLLING SHUTTER
35.	M.S. DOOR, FITTINGS	ASHISH, OFFORD, GRAG, ADARSH
36.	SMOKE SEAL STRIP	IMPORTED PROMAT, ASTRO FLAME
37.	DOOR CLOSE LOCK	INGEROLL RAND, DORMA, DORSET, BECKER FIRE SOLUTION
38.	PANIC EXIT DEVICE	INGEROLL RAND, MONARCH, BECKER FIRE SOLUTION
39.	DOOR COORDINATOR	UL-LISTED, MONARCH
40.	TEMPERED GLASS	MODIFLOAT, SAINT GOBAIN, ASAHI, GLAVERBEL
41.	DOORS & WINDOW FIXTURE	EVERITE, GODREJ, HARDIMA, HARDWARE, KLASSIC, ALKA, JINDAL
42.	METAL FIRE CHECK DOORS	NAVAIR, SHAKTI-MET, GODREJ
43.	STEEL WINDOW	M/S UNITED ENGG. WORKS, RAM NAGAR M/S METAL WINDOW CORP. ROHTAK M/S SKS STEEL INDUSTRIES PIRGARHI ANY OTHER ISI MARKED FACTORY MADE JANGID ENGINEERING WORKS (JAIPUR)
44.	MS PRECOATED ROOFING SHEET	TATA BLUESCOPE, INTERRARCH MULTICOLOR STEEL, LLOYDSTEEL, ISPAT STEEL, ROOFCLAD, FIBREWAYS, JSW
45.	FIBRE CEMENT BOARD (FLEX-O-BOARD)	HYDERABAD INDUSTRY LTD., VISHAKHA, EVEREST INDUSTRY LTD., JAMES HARDIE, SHERA
46.	LGSF FRAME	TATA BLUE SCOPE, J.S.W, ESSAR, ISPAT STEEL

*AS*  
*AEG*

47.	FABRICATORS FOR ALUMINIUM GLAZING, STRUCTURAL GLAZING, ALUMINIUM DOOR & WINDOWS, ACP WORK.	ALUMAX, WINDORZ INDIA PVT. LTD, JANGID ENGINEERINGWORKS (JAIPUR)
48.	STAINLESS STEEL FABRICATORS	VETERAN INDUSTRIES (INDIA), KANZ, D LINE, EARL BEHARI, ANAND
49.	GALVANISING	JENCO/STEEL LINE, LITE, KARAMTARA
50.	LAMINATE FLOORING	ARMSTRONG, PERGO, FLORENCE, ACTION TESA
51.	PVC FLOORING & VINYL WALL	ARMSTRONG, FORBO, GERELOR, INPROCORP
52.	WELDING ELECTRODE	RAAJRATNA ELECTRODES, ESAB INDIA, ADORE WELD LTD, HONAVAR ELECTRODE
53.	GLASS DOOR FITTINGS	DORSET, OZONE, HARDWYN, DORMA, HETTICH
54.	PVB OR SGP LAMINATION	DUPONT KURARRAY, SOLUTIA
55.	SPACER TAPE (OPEN PU CELL)	NORTON, TREMCO, BOW
56.	SPANDREL INSULATION	U.P TWIGA FIBERGLASS LTD, LLOYD, ROCKWOOL INDIA, TWIGA INSULATING INDIA
57.	ROCK WOOL (FIRE STOP)	ROCKWOOL INDIA, ROXUL ROCKWOOL.
58.	SMOKE SEAL INTUMUSCENT	HILTI, SIKA
59.	SMOKE SEAL SEALANT	HILTI, SIKA, DOW CORNING
60.	REVOLVING DOORS	DORMA, GEZE, KONE, BOONEDAM
61.	GLASS RAILING	Q RAIL, NEKI, KICH, FAÇADE ONE, ALLY DZINE SERVICES PVT. LTD
62.	CASEMENT WINDOW HINGES	GIESSE, ALUALPHA, LAVAL, SAVIO
63.	SS FRICTION HINGES	GIESSE, COTSWOLD, SECURISTYLE
64.	MULTIPOINT LOCKING SETS	GIESSE, ALUALPHA, LAVAL, SAVIO
65.	FLUSH LOCK FOR SLIDING'S	GIESSE, LAVAL, SOTRALU, ROTO, SAVIO
66.	ROLLERS FOR SLIDING'S WINDOWS / DOORS	GIESSE, LAVAL, SOTRALU, ROTO, SAVIO
67.	GLASS REINFORCE FIBRE CONCRETE MANUFACTURES AND INSTALLERS	SHENISHA CORPORATION, ARK INTERIOR AND CONSTRUCTION SOLUTIONS, YOGI GRC PRODUCTS PVT LTD
68.	FAÇADE CLEANING SYSTEM	CRADLE RUNWAYS INDIA PVT. LTD, APPLETREE
69.	GYPSUM PARTITION SYSTEM	SAINT GOBAIN GYPROC, USG BORAL
70.	INSULATION	U.P TWIGA FIBERGLASS LTD, LLOYD, ROCKWOOL INDIA
71.	MODULAR GLASS INTERIOR PARTITION SYSTEM	JEB, OTIC PARTITION, KUBIK, CETTERIO, DAMIAN
72.	TOUGHENED GLASS FOR PARTITIONS	SAINT GOBAIN, ASAHI INDIA GLASS, SCHOTT

*AS*  
AS



73.	2HR FIRE RATED GLASS AND PARTITION SYSTEM	VETROTECH SAINT GOBAIN, SCHOTT TGS FIRE-RATED GLASS
74.	FIRE COATING FOR STEEL STRUCTURE	SUKRI. NEWCHEM
75.	WOODEN DOOR FRAME (FACTORY MADE)	KUTTY, DS DOOR, JAYNA, GOYALA INDUSTRIAL, GREEN
	WATER SUPPLY AND SANITARY WORKS	
1	FIRECLAY SINKS & DRAIN BOARDS	PARRY, SANFIRE
2	G.I. FITTING (MALLAEBLE CAST IRON)	UNIK, ICS, AMCO, KS, NVR
3	C.I. DOUBLE FLANGED NON-RETURN VALVES	KIRLOSKAR, SANT, KARTAR
4	PTMT FITTINGS	PRYAG, POLYTUF
5	KITCHEN LOFT TANK	SINTEX, TIRUPATI, KMS, PLANET, SRI KAMAKSHI, SREYAH NOVEL
6	PLASTIC SEAT COVER	HINDWARE, CERA, PARRYWARE, KOHLER, NY CER, JOHNSON
7	PVC CISTERN	PEDDAR, JAQUAR, ESSCO HINDWARE, CERA, PARRYWARE, KOHLER, NY CER, JOHNSON
8	C.I. MANHOLES COVERS	PEDDAR, JAQUAR, ESSCO BIC, KAPILANSH DHATU UDHYOG, NEECO, RIF, BCM,SKF, HIF
9	BRASS STOP & BIB COCK	ZOLOT, SANT, L&K, JAQUAR, ESSCO
10	BRASS BALL VALVE WITH FLOATS	ZOLOTO, LEADER, SANT
11	SS HINGED GRATING	GMGR, NEER, CHILLY
12	SANITARY ACCESSORIES	JAQUAR, KIMBERLY, CLARKE, DLINE, EURONICS, CARL- F, KOHLERSNEARLING, KEROVIT, PARKO, KINGSTON, PARK,
13	BACK UP ROD	PRAYAG, HINDWARE, ESSCO SUPREME INDUSTRIES
14	MASKING TAPES	SUNCONTROL, WONDER POLYMER
15	TREATMENT ON MS BRACKETS	GALVANISED BRACKETS AS PER IS :4759- 1996,610
16	PVC CONTINUOUS FILLET FOR PERIPHERY PACKING OF GLAZING CURTAIN WALL	ROOP, ANAND, FOREX PLASTIC
17	C.P. ACCESSORIES	GEM, PARKO, KINGSTON, HINDWARE, CERA, JAQUAR, ESSCO,
18	MOISTURE RESISTANT BOARD	ST-GOBAIN, GYPROC, USG BORAL,
19	STAINLESS STEEL MESH	GKD/WMW
20	FLOOR TRAP	JAINA, CHILLY, NIRALE
21	VITREOUS CHINA SANITARYWARE AND FITTINGS	HINDWARE, CERA, PARRYWARE, KOHLER, NY CER, JOHNSONPEDDAR, SOMANY, JAQUAR, ESSCO

*[Handwritten signature]*

22	STAINLESS STEEL SINKS	NEELKANTH, JAYNA, FRANKE, ANUPAM, NIRALI, COBRA, ALEX, JAYNA, AMC, PRAYAG, CERA, KINGSTONE
23	C.P. BRASS FITTINGS	JAQUAR, SOMANY, PARRYWARE, GROHE, KOHLER, GEM, PARKO, KINGSTON, PARK, PRAYAG, HINDWARE, JOHNSON, ESSCO
24	CENTRIFUGALLY CAST (SPUN) IRON PIPES & FITTINGS	NECO, RIF, SKF, ACL, HEPSCO, MARC, GEM, BIC, HIF, JAISWAL, BC
25	CENTRIFUGALLY CAST (SPUN) IRON PIPES (CLASS LA)	RIF, NECO, SKF, ACL, HIF
26	CPVC PIPES & FITTINGS	ASTRAL, PRINCE, SUPREME, FINOLEX, PRAKASH, AJAY, ASHIRWAD, BIRLA AEROCON, KISAN, APL APOLLO
27	G. I. PIPES	TATA, JINDAL (HISSAR), ZENITH, PRAKASH SURYA, G.S.T., KALINGA,
28	G. I. FITTINGS	UNIK, ZOLOTO, KS, ICS, R, K.S, NVR, JINDAL, R BRAND, AMCO
29	UPVC PIPES & FITTINGS	ASTRAL, PRINCE, SUPREME, FINOLEX, PRAKASH, AJAY, ASHIRWAD, BIRLA AEROCON, KISAN, APL APOLLO
30	GUNMETAL VALVES	LEADER, SANT, ZOLOTO, KIRLOSKAR, CASTLE, KARTAR, KILBURN
31	BALL VALVES	LEADER, SANT, ZOLOTO, CASTLE, IBP, ARCO
32	BUTTERFLY VALVES	LEADER, SANT, ZOLOTO
33	C.I. SLUICE VALVES	KIRLOSKAR, IVC, BURN
34	SFRC MANHOLE COVER	KK, JAIN, PRAGATI, BIC, KAPILANSH DHATU UDHYOG, NECO, RIF, BCM, S.S. & CO.
35	RCC PIPES	JAIN, PRAGATI, KK, LAKSHMI, SOOD & SOOD, JAIN & CO., USHA, DIWAN SPUN PIPE,
36	LA (CI) PIPES	RIF, NEECO, ELECTRO STEEL, IISCO, NEECO, KAPLANSH
37	PPR PIPES	SFMC, SAFE, PIONEER INDST., SUPREME, RELIANCE
38	DUCTILE IRON PIPE (WATER SUPPLY)	ELECTRO STEEL, KESSO, KDUPL, ELECTRO SPUN
39	SEWERAGE & DRAINAGE PUMPS	KIRLOSKAR, KSB, CROMPTON GREARES
40	HDPE PIPES & FITTINGS	JAIN, ORIPLAST, KISAN
41	G.I. PIPE JOINTING MATERIALS	LOCTITE 55/DR. FIXIT, MC BAUCHEMIE
42	STONWARE PIPES AND GULLY TRAPS	PERFECT, BURN, ANAND, PARRY, SKINS GROHE, HIND
43	WATER PUMPS	KIRLOSKAR, KSB, HARRISON
44	ELECTRICAL MOTORS	SIEMENS, KIRLOSKAR, NGEF
45	PVC WATER TANK	SFMC/SINTEX/SPL, UNITEK, SHEETAL, POLYCON ELECTRO PLAST, STAR, LOTUS
46	SEWAGE WATER/RAIN WATER PIPES	ASTRAL, PRINCE, SUPREME, FINOLEX, PRAKASH, AJAY, ASHIRWAD, BIRLA AEROCON, KISAN
47	FIRE FIGHTING PIPES	JINDAL, TATA, APL APOLLO, PRAKASH SURYA

*AS*  
REC-4

STONE AND OTHER WORKS		
1	CLAMP SYSTEM FOR DRYSTONE CLADDING	HILTI, FISCHER, BOSCH, TRIXEL FROM AXEL INDIA
2	FRP CHAJJA, SHEET & DOORS, FRP SHUTTERS, RAILINGS, COVERS	FIBREWAYS, ASHOO MODEL ARTS, NAVIER, SUKARI PROMAT, KUTTY, JINDAL STAINLESS, BHATT FIBREWAYS
3	GRC/FRP SCREENS/RAILING/JALI/ CORNICES/STATUES/PANELS/MOULDING	TERRA FIRMA, JINDAL STAINLESS
4	POLY CARBONATE SHEET	SABIC LEXAN, BAYER, COXABELL, ROOFCLAD, MNF METALS
5	STONE SEALER	AQUA MIX SEALER FROM CHOICE GOLD, LATECRETE, ARDEX ENDURA, KERAKOLL, FOSROC
MISCELLANEOUS ITEMS		
1	SIGNAGES	PROLITE, GLOLITE, VISTA
2	MODULAR FURNITURE ITEMS	GODREJ, HERMANMILLER, STEELCASE, DELLFORM, VITRA

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.

Chief Project Officer  
Delhi Technological University

29/4

Estimate (Civil Work)

Work:- Addition/alteration work in room at ground floor of Virngana Laxmibai Girls Hostel to make the provision of pantry at DTU main campus.

S.No.	DSR 2021 Code	Item description	UoM	Qty	Rate (Rs.)	Amount (Rs.)
1	2.6.1	Earth work in excavation by mechanical means (Hydraulic 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_x0002_charge.	cum	7.00	205.45	1,438.15
2	2.10.1.2	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : <b>All kinds of soil Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia</b>	mtr	60.00	417.35	25,041.00
3	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.	cum	3.00	253.95	761.85
4	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				-
4.1	4.1.3	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)	cum	2.00	7365.15	14,730.30
5	4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	6.00	6050.65	36,303.90
6	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	cum	0.50	10719.30	5,359.65
7	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				-
7.1	5.9.4	Shelves (Cast in situ)	Sqm	6.00	766.55	4,599.30
8	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				-



8.1	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	<del>30.00</del>	89.65	2,689.17
9	5.23	Smooth finishing of the exposed surface of R.C.C. work with 6 mm thick cement mortar 1:3 (1 Cement : 3 fine sand).	Sqm	<del>5.00</del>	253.05	1,265.2
10	6.4	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 V level in all shapes and sizes in :				
10.1	6.4.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	<del>1.00</del>	8512.10	8,512.10
11	6.13	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				
11.1	6.13.1	Cement mortar 1:3 (1 cement : 3 coarse sand)	Sqm	<del>4.00</del>	1043.10	4,172.40
12	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.				
12.1	8.2.2	Granite stone slab colour black, Cherry/Ruby red				
12.1.1	8.2.2.1	Area of slab upto 0.50 sqm				
12.1.1.2	8.2.2.2	Area of slab over 0.50 sqm	Sqm	<del>3.00</del>	4679.35	14,038.05
13	8.4	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	metre	<del>6.00</del>	4425.35	26,552.10
14	8.31	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 Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	<del>30.00</del>	1063.45	31,903.50
15	9.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).				
15.1	9.1.2	Sal wood	cum	<del>0.10</del>	106720.85	10,672.09
16	9.114	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete. Double strip (horizontal type)	Each	<del>12.00</del>	34.15	409.80

17	9.168	Providing and fixing cupboard shutter with 19mm thick one side decorative and other side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand including 2mm thick PVC edge banding tape with hot glue by edge bending machine etc. with auto closing spring loaded hinges (hydraulic type) etc. complete as per direction of Engineer-in charge.(Payment of providing and fixing auto closing hinges shall be paid separately)	Sqm	4.00	2563.75	10,255.00
18	9.170	Providing and fixing stainless steel fancy handle of approved make fixed with SS screws etc. complete as per direction of Engineer-in-charge. <b>200 mm</b>	Each	12.00	153.15	1,837.80
19	9.171	Providing and fixing stainless steel soft closing spring hinges at 0 degree hinges (hydraulic type) of approved make/brand to cupboard shutters with full threaded steel screws including making necessary recess in board and finished etc. complete as per direction of Engineer-in-charge.	Each	24.00	226.75	5,442.00
20	10.27.1	Providing and fixing carbon steel galvanised ( minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm <sup>2</sup> ), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge. <b>10 x 60 mm</b>	Each	21.00	111.70	2,345.70
21	12.45	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with				

21.1	12.45.1	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part 1) :2011 (Board with BIS certification marks).	Sqm	10.00	1145.95	11,459.95
22	13.4	12 mm cement plaster of mix :				
22.1	13.4.1	1:4 (1 cement: 4 coarse sand)	Sqm	7.00	307.25	2,150.75
23	13.60	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :				
23.1	13.60.1	Two or more coats on new work	Sqm	20.00	137.85	2,757.00
24	13.69	Polishing on wood work with ready mixed wax polish of approved brand and manufacture :	Sqm	4.00	164.15	656.60
25	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	Sqm	20.00	123.85	2,477.00
26	14.81	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge	Each	2.00	243.10	486.20
27	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
27.1	15.2.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design	cum	1.00	2007.10	2,007.10
28	15.41	Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead.	Sqm	10.00	46.50	465.00
29	15.25	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead	Sqm	7.00	219.75	1,538.25
30	15.53.1	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931-15mm nominal bore	Each	3.00	500.35	1,501.05
31	15.56	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.	Sqm	15.00	45.05	675.75
32	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.	cum	5.00	219.35	1,096.75
33	17.10	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :				
33.1	17.10.2	Kitchen sink without drain board				
33.1.1	17.10.2.1	610x510 mm bowl depth 200 mm	Each	1.00	4274.40	4,274.40
34	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
34.1	17.28.1	Semi rigid pipe				
34.1.1	17.28.1.2	40 mm dia	Each	1.00	101.65	101.65

35	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall				
35.1	18.7.2	20 mm nominal dia Pipes	metre	10.00	325.10	3,251.00
36	18.8	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 as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.				
36.1	18.8.2	20 mm nominal dia Pipes	metre	5.00	513.75	2,568.75
37	18.58	Providing and fixing C.P grating of approved quality and colour.				
37.1	18.58.1	Circular type				
37.1.1	18.58.1.2	100 mm nominal dia with waste hole	Each	1.00	45.25	45.25
38	18.76	Cutting holes up to 30x30 cm in walls including making good the same:				
38.1	18.76.1	With common burnt clay F.P.S. (non modular) bricks	Each	2.00	362.40	724.80
39	18.78	Making chases up to 7.5x7.5 cm in walls including making good and finishing with matching surface after housing G.I. pipe etc.	metre	10.00	171.80	1,718.00
40	18.79	Making hole up to 20x20 cm and embedding pipes up to 150 mm diameter in masonry and filling with cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) including disposal of malba.	metre	1.00	198.40	198.40
41	19.6.3	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :	metre	60.00	811.15	48,669.00
42	19.7	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:1.5:3 mix ( 1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix ( 1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 ( 1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 ( 1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :				



42.1	19.7.1	Inside size 90x80 cm and 45 cm deep including R.C.C cover with frame (light duty) 450x600 mm internal dimensions.				
42.1.1	19.7.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	4.00	12002.42	48,009.68
43	19.8	Extra for depth for manholes :				
43.1	19.8.1	Size 90x80 cm				
43.1.1	19.8.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	metre	2.00	8127.45	16,254.90
44	19.2.1.1	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete : <b>For pipes 100 to 250 mm diameter</b>	Each	2.00	683.70	1,367.40
					<b>Total=</b>	370,392.42
					<b>Add GST Multiplication factor (0.0633) of 18% in place of 12%=</b>	23,445.84
					<b>Total=</b>	393,838.25
					<b>Add Cost Index on DSR 2021 Items @7%=</b>	27,568.68
					<b>Total (A)=</b>	421,406.93
45	NSR	Providing and fixing in position uPVC SWR floor trap conforming to IS:13592 including providing necessary steel support and as per Specification. Making proper connection cutting chase / hole in flooring and bringing the same in proper condition and shape after placing the trap in right position complete as required. <b>(Door P-trap) Make: Supreme, Ashirvad &amp; Prince. (75X75mm)</b>	Each	1.00	416.59	416.59
46	NSR	Providing and fixing uPVC SWR Pipes class B (IS:13592) including jointing with solvent cement including cutting and making good the walls wherever required. (For soil & waste pipes). Nothing extra will be paid for supports.				
46.1		<b>75 mm Outer diameter</b>	metre	6.00	649.72	3,898.33
47	NSR	Providing and fixing uPVC SWR Pipes class B (IS:13592) fittings complete including jointing with including jointing with sealant/adhesive of approved make including cutting and making good the walls wherever required. (For soil & waste pipes). Nothing extra will be paid for supports.				
47.1		Door Bend 75X75	Each	1.00	435.28	435.28
47.2		Reducer 75X100	Each	1.00	411.04	411.04
	NSR	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with sealant/adhesive of approved make, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
47.1		160 mm diameter OD	metre	7.00	935.92	6,551.47
48	NSR	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes fittings conforming to IS : 13592 Type A, including jointing with sealant/adhesive of approved make, leaving 10 mm gap for thermal expansion. <b>160mm diameter OD</b>				

		Coupler	Each	1.00	852.26	852.26
		Bend 87.5°	Each	4.00	933.00	3,732.02
NSR		Providing and fixing CPVC Gate valve (ball valve) of approved quality : 20 mm nominal outer dia	Each	1.00	522.49	522.49
NSR		Providing and fixing C.P. brass Kitchen sink mixer of approved quality and brand including proper fixing of joint with points, connection legs required etc. as per the direction of Engineer-In-Charge.(HINDWARE CAT No.F570027CP)	Each	1.00	4116.10	4,116.10
51	NSR	Drilling hole/core cutting of 100mm dia in R.C.C slab for drainage pipe laying and up to 150mm thickness at suitable location after proper locating the embeded reinforcement so as to prevent the same from cutting and making good the hole with cement mortar etc. as per the direction of Engineer-In-Charge.	Each	1.00	8041.00	8,041.00
					Total (B)=	28,976.56
					Total (A+B)=	450,383.50
					Say	450,383.00

This Estimate is comes out to Rs.4,50,383/- (Rupees Four Lakh Fifty Thousand Three Hundred and Eighty Three Only) incl of taxes.

*A. E. (Civil)*  
11/08/23

*Sand*  
14/8/23  
Consultant, A.E (Civil)

*[Signature]*  
CPO, DTU