



Gujarat University

TECHNICAL SPECIFICATIONS

MATERIAL MAKE LIST

Tender No: GU/ESTATE/DEF/ 2020-21/01

**TENDER DOCUMENT
FOR
INTERIOR AND ALLIED WORKS OF DEFENSE
RELATED FACILITY AT GUJARAT UNIVERSITY,
AHMEDABAD**

LIST OF APPROVED CIVIL MATERIALS / BRANDS FOR BUILDING WORKS

Sr. No.	Item	Approved Make
1.	Cement –SRC	Ultratech, Ambuja, Siddhi ,Wonder Cement, NIRMAX
2.	Reinforcement Steel-Fe 500 SRS	Tata-Tisco, Vizag, SAIL, Essar, Electro TMT, ASR
3.	Structural Steel	Tata, SAIL, Essar, ASR
4.	Water proofing Compounds	Krishna Concure, Pidillite, Fosroc, Roffe, CICO or equivalent
5.	Hardeners	'Ironite', 'Ferrok', 'Hardonate'or equivalent
6.	Plastic emulsion Paints : Interior	Jotun, Asian Paints, ICI Dulux
7.	Red Oxide (For IPS Flooring)	'Shalimar', 'Garware'or equivalent,
8.	Premium Quality Weather proof paint : Exterior	Jotunjotashield, Apex ultima, Dulux weather shield
9.	Glass/ Structural Glass	Saint Gobain LOW-e, ASAHILOW-e
10.	Ceramic Tiles	Johnson, Somani, Asian, or as approved by consultant.
11.	Vitrified Tiles (Note : Vitrified Tiles shall have to be whole body homogenous & Matt finish)	Johnson, Somani, Asian, or as approved by consultant.
12.	Stone	Mirror polished kota, Machine cut river polished granite, as approved by consultant
13.	Water proofing Membrane type	As per specification & as approved by Consultant
14.	Aluminum Sections for Doors/Windows	Jindal, Bianco or as approved by Consultant/Client
15.	Teak Wood	Ghana Teak Wood as approved by Consultant/Client
16.	Ply Wood	Century, Greenply, Marino
17.	Marine ply	Century, Greenply, Marino
18.	PVC Tank	Syntex or as approved by Consultant/Client
19.	Anti-termite materials	Chlorophyriphos or materials as approved by Consultant/Client
20.	Adhesive for tiles fixing	ArdexAndura,MRF
21.	Hardware	Heltich, Dorma, Doorset, Ozone as approved by consultant
22.	Expansion joint sil flex(cap cell HD 100)	Supreme industries, Softex industries pvt.ltd. Bengal bitumen
23..	Rolling shutters	Rama shutter.co. , Akash shutter, Olympic rolling shutters
24.	Dowelling and rearing	Hilti system or Equivalent as approved by consultant
25.	White Cement putti	Birla white cement, J K Wall putti
26.	Quartz manufacturer	Classic marble company,jayantilal& sons or as approved by consultant
27.	Stainless steel railing	Ozone, Kitch, Orbit or as approved by consultants
28.	Structural and spider glazing	Dorma, Ozone
29.	Glass railing	Ozone pvt.ltd., Kitch or as approved by consultants
30.	Cubical partition system for restroom	Merino-Bosco.co. or as approved by consultants
31.	Exterior Texture	JotunUltraTEX, Asian- duracast
32.	Epoxy paint	Nerolac, Shalimar, Cico, Dubond, Berger, Asian
33.	Multi-cell Polycarbonate Sheet	Danpalon, DPI Daylighting, Tufight, Coxwell

LIST OF APPROVED ELECTRICAL MATERIALS / BRANDS FOR BUILDING WORKS

SR NO.	ITEM	APPROVED MAKE
1	Capacitor (APP / Heavy duty type)	Havells, Epcos, Subodhn, Schneider, Matrix
2	Main Cables Upto 185 Sq.mm	XLPE armored cable for 1.1 KV Polycab, Havells, RR Kabel, Avocab
3	Main Cables Above 185 Sq.mm	XLPE armored cable for 1.1 KV Polycab, Havells, RR Kabel, Avocab,
4	Glands	Double Compression type, Siemens type with rubber ring and double washers. – Comet, Standard Metal Industries
5	Distribution Boards	Legrand, Schneider, MK, Mitsubishi
6	MCBs	Legrand-DX3, MK, Schneider, Mitsubishi
7	MCCB	Legraand DPX/DPX ³ , Schenider NSX, Mitsubishi
8	ACB (Should have inbuilt power metering)	Legrand DMX ³ (MP4 release), Schenider Masterpact (NT release), Mitsubishi
9	Switches & Its accessories	MK Blenze, Legrand Myris, Schenider Zenselo,
10	Flexible Wires (FRLS)	Polycab, Havells, Lapp INFRA
11	Light Fixtures	Lighting Technology, Crompton , Ensave – Approved model only by consultant
12	Chemical type earthing	Erico, Rapid, Doksun, Greenwire
13	Cat-6	Legrand, Schneider, D-link, Havells
14	Meter (Digital)	Elmeasure, Legrand, SEMS, Konzerv, HPL
15	PVC PIPE & Accessories	1.6-1.8 mm wall thickness ISI & FIA approved & manufactured from virgin4 material. Precision plastic industries, Polycab, Nihir, Vraj
16	Raceway	MK, Legrand
17	Lightening Arrestor	Rapid, Doksun
18	PA System / Music System	Stone Water, JBL, Australian Monitor, TOA, Tennoy
19	CCTV	HONEYWELL/ BOSCH/ AXIS / VIVOTEK
20	Fire Alarm System	HONEYWELL / SIEMENS/ TYCO / EDWARDS /

		JOHNSON & CONTROL.
21	Panel Vendor	Active Engineers, Swati switchgear, Dynamic Control
22	Indoor Wireless Access Points	Hp / Cisco / Juniper
23	Rack With Accessories	Apw/Rittal/Netrack
24	Cable Manager	Apw/Rittal/Netrack
25	6 Core Single Mode Multitube Fiber Cable Armoured Lszh	Molex / Tyco / Legrand
26	24 Port Fiber Liu Loded - Single Mode	Molex / Tyco / Legrand
27	Layer 2 Fully Managed Networking Switch	Hp / Cisco / Juniper
28	Ups	Emersion / Apc / Eaton
29	DECORETIVE LIGHTING	VIZION / ENDO / WIPRO / PHILIPS

LIST OF APPROVED MAKES FOR INTERIOR WORKS

Sr. No.	Component	Approved Make
1	Float Glass	Modi Guard/Indoasahi/ Saint Gobain
2	Resin Based Adhesive	Fevicol/Vamicol/Blue Court
3	Pin Up Board	Sintatex/Alkosign
4	Ss/Chrome Coated Hardware	Ebco/Dorest/Arkay
5	Laminate	Formica/Decolam/Merino Green Lam/Asis/Sunmica
6	Veneer	Green/Century/Natural
7	Aluminium Alloy Extruded Section	Hindalco/Indalco
8	Post Form Board	Merino/Formica/Sunmica
9	Locks	Godrej/Dorset
10	Pivots, Handle Bars Etc	Dorma/Dorest
11	Pre-Laminated Particle Board	Novapan/Kitlam/Merino
12	Plain False Ceiling	Gyproc (Saint Gobin) Or as Approved By Consultant Gyp Steel Ultra-With Company Section/Specifications Only It Shall Be Executed By Company's Authorized Applicator & Certificate From The Company Shall Be Attached With Final Bill.
13	Grid False Ceiling	Armstrong, Gyproc (Saint Gobin) Or as Approved By Consultant With Company section / Specifications Only- It shall Be Executed By Companys authorised Applicator & Certificate From The Company shall Be Attached With Final Bill
14	Acoustic Panelling With Fabric Finish	Armstrong Or As Approved By Consultant With Company section / Specifications Only- It Shall Be Executed By Company's Authorized Applicator & Certificate From The Company Shall Be Attached With Final Bill.
15	Acoustic Paneling With Laminate Finish	Armstrong Or As Approved By Consultant With Company section / Specifications Only- It Shall

		Be Executed By Company's Authorized Applicator & Certificate From The Company Shall Be Attached With Final Bill.
16	Wood-External Wood	Steam Beach, Teak Wood Or As Approved By Consultant 1 st Quality Imported 95% In Even Color Without Knots, Joints & Bend Wood.
17	Wood-Internal Wood	Marandi 1st Quality Imported 95% In Even Color Without Knots, Joints & Bend Wood. Or As Approved By Consultant
18	Molding/Bending	Steam Beach, Teak Wood Or As Approved By Consultant 1 st Quality Imported 95% In Even Color Without Knots, Joints & Bend Wood.
19	Ply Woods & Block Board	
A.	Block Board	Samrat/Century / Green/ Sainek/Arched Classic Ply
B.	Ply Wood	Samrat/Century/ Green/ Sainek/Arched Classic Ply
20	Adhesives	Synthetic Resistant Adhesives / Fevicol Sh.
21	Floor Spring	Ozon / Godrej Or Equivalent
22	Door Stop	E.G / Ebco Or Equivalent
23	Hinges	GurgSs Finish / Aucto Closing Heavy Duty Approved By Architect.
24	Stoppers	Orbit / Ebco Or Equivalent
25	Drawer Chanel	Ebco / Hettich / Inox Or Equivalent
26	Door Closer	Godrej / Ozone Orequivalent
27	Screw	Rk / Gkw / Nettle Fold Orequivalent
28	Finish	
A.	Polish	Asian Melamine/Mrf Melamine
B.	Paints	Asian Paints/Ici/Nerolac

29	Rollar Blind	Vista/Arolex/Marvel
30	Carpet	Unitex/Rosetta/Bajaj
31	PVC Flooring	Wonder Floor/Poly Floor/Tusker
32	Vinyl Flooring	LG / Armstrong / Soli Brite
33	Wooden Flooring	Pergo/ Euro / Vista/ LG /United/ Armstrong
34	Ss Plate For Name Plate	304 Grade Brush Finish
35	Powder Coating	15 Micron As Per Selection
36	Bathroom Cubicals	SS Series - Merino-bosco, Greenlam, Metalium
37	Silidng Folding Partiton	OZONE

LIST OF APPROVED MAKES FOR HVAC EQUIPMENT & MATERIALS

Equipment / Materials	Manufacturer's Name
Variable Refrigerant Volume/Flow system	Daikin/Mitsubishi/Toshiba/Blue star/ O 'General'
Air Handling Units	Citizen/Edgetech /Nutech/VTS/Zeco/ Ethos
Ventilation Fans	Kruger/ Nicotra / Systemair/ebm-Nadi
G.I.Sheets for ducting	SAIL/Tata/Jindal/Essar
Grilles & Diffusers	Ravistar/Airmaster/Airproduct /Cosmos/Dynacraft
Fire Dampers	Carryaire/Systemair / Ajanta/Ravistar
Expanded Polystyrene	Beardsell/Thermowell/Thermopack /Cooline
Fibreglass material	UP Twiga/KIMMCO /Owvenscornings
Closed cell elastomeric nitrile rubber	Armaflex/A-flex/K-flex/Superlon
Copper pipe	Mandev/Rajco/Totaline/Maxflow
MCCB	ABB/GE/L&T/MDS Legrand/Schnider/Siemens
MCB	ABB/GE/Schneider (MG) /Hager-L&T /MDS Legrand
Contactors, Overload relay	Schneider (MG) /GE /L&T/Simens/ABB
Motors	Kirloskar/Crompton Greaves/Bharat Bijlee /NGEF/ABB
Selector Switches	Kaycee /Tecnic
Current transformers	TELK/Kappa/Indcoil
Metering Instruments -Digital	ABB/EI /IME/L&T/Secure/Nippen/Schneider
Indicating lamps & Push Button	GE/Schneider/ Teknik/L&T/Altos
Cables	Polycab/Universal/Gloster/RR/Finolex/Nicco/Torrent
Controls	Honeywell/Sauter/Johnson/ Siemens/TAC/Trane
Vibration isolators	Dunlop/AVM/Ferolastic/Resistoflex
Air curtain	ACME/Tristar/NEC/R-Tek
Propeller fan	GEC/Khaitan

LIST OF APPROVED MAKES FOR AUDIO-VIDEO SYSTEM

Approved Make List		
Sr. No.	Product	Approved Make List
1	Projector	Panasonic / Christie / Barco
2	Projector Screen	Liberty / Grandview / Suvira
3	Ceiling Mount Kit	Standard
4	LED Display	Panasonic / Christie / Planar
5	Digital Podium	Rampo / AHA / A&H
6	4x4 HDMI Switcher	Crestron / Wyrestorm / Rampo
7	5x1 HDMI Switcher cum Scaler with Wireless Presenter	Crestron / Wyrestorm / Rampo
8	Digital Processor	QSC / Dolby
9	HDMI Transmitter & Receiver	Crestron / Wyrestorm / Rampo
10	POP UP Box	Crestron / Wyrestorm / Rampo
11	Boundary Microphone	Shure / JTS / CKS Acoustics
12	Wireless Handheld Microphone	Shure / JTS / Lectrosonics
13	Wireless Tie-Pin Microphone	Shure / JTS / Lectrosonics
14	Audio Mixer	CMX Audio / CKS Acoustics / Allen & Heath
15	Power Amplifier	CKS Acoustics / QSC Audio / CMX Audio
16	Speaker	QSC / CKS Acoustics / Meyersound
17	System Rack	Rittal / Elixir / President
18	VideoWall	Panasonic / Christie / Planner
19	Video Conferencing System	ClearOne / Cisco / Avaya
20	HDMI Cable (1 Mtr / 5 Mtr / 10 Mtr / 15 Mtr)	Crestron / Wyrestorm / Audiotech
21	0.5 Sq.mm Microphone Cable	Crestron / Wyrestorm / Audiotech
22	1.5 Sq.mm Speaker Cable	Crestron / Wyrestorm / Audiotech
23	CAT-6 Cable	D-Link / Digi Link / Schneider
24	Connectors & Accessories	Standard

SPECIAL NOTE: Contractors intending to supply other makes of materials than the ones listed above shall indicated clearly the makes in their offers highlighting the salient features and advantages of that make supported by catalogues. The right of accepting such makes rests with he consultants.