

CONSTRUCTION OF ANF ACADEMY.

CIVIL WORKS

LIST OF RECOMMENDED MANUFACTURERS AND BRANDS OF MATERIALS / EQUIPMENT

Equipment and material specified with brand names have been provided in order to establish a standard of performance and do not necessarily indicate a preference for a particular manufacturer or material.

The names of manufacturers given below are to indicate the level of quality and performance anticipated by the Engineer/Employer. Other makes may be accepted provided that the quality and performance of such equipment, in the sole opinion of the Engineer, are at least equal to or better than the equipment /product offered by the recommended manufacturer.

The acceptance of equipment/materials offered by these manufacturers will be subject to compliance of offered models/materials with the specifications, capacity and/or performance requirements.

Onus lies with the Contractor for establishing the genuineness of any material/product for its make and origin.

S. No.	Description of Item / Material / Equipment	Recommended Manufacturers / Brands
1	Paints	<ul style="list-style-type: none">• ICI PAINTS• BERGER PAINTS• ATLAS Paints• NIPPON Paints• Or approved equivalent
2	Ceramic Tiles	<ul style="list-style-type: none">• MASTER TILES• SHABBIR TILES• Time Ceramics• Sonex• Or approved equivalent
3	Porcelain Tiles	<ul style="list-style-type: none">• MASTER TILES• SHABBIR TILES• Time Ceramics• Sonex• Or approved equivalent
4	Wall Coatings	<ul style="list-style-type: none">• ROCK SHIELD• ROCK WALL• GRIL WALL FINISHES• Or approved equivalent
5	Construction Chemicals, Sealants and Water Proofing Coatings	<ul style="list-style-type: none">• SIKA• PAGEL• MAPEI• FEB

S. No.	Description of Item / Material / Equipment	Recommended Manufacturers / Brands
6	Anchor for Concrete Works (Mechanical and Chemical)	<ul style="list-style-type: none"> • Hilti • Spit • Sikla • Fischer • Sika
7	PVC Water Stops	<ul style="list-style-type: none"> • Sika • ATF Synthetics • Decora
8	False Ceiling	<ul style="list-style-type: none"> • OWA (Germany) • Daiken Corporation (Japan) • DFB • Or approved equivalent
9	Backer Rods in Expansion Joints	<ul style="list-style-type: none"> • Diamond Jumbolan
10	Water Proofing in Roof Finish (Geotextiles)	<ul style="list-style-type: none"> • Hy-Grip • Derma Bit • Roof Grip
11	Cast Iron covers	<ul style="list-style-type: none"> • M/s Alphine • M/s Teepu

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ELECTRICAL WORKS

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S. No.	Description of Item / Material / Equipment	Recommended Manufacturer/ Brands
CABLES & ACCESSORIES		
1.	LV Wiring Cables	Pakistan Cables, Newage Cables, AGE Cables, Fast Cables, Allied Cables or Approved Equivalent.
2.	LV Power Cables (600 / 1000 Volts)	Pakistan Cables, Newage Cables, AGE Cables, Fast Cables, Allied Cables or Approved Equivalent.
3.	High Voltage Cables(15 kV)	Pakistan Cables, Newage Cables, AGE Cables, Fast Cables, Allied Cables or Approved Equivalent.
4.	MV Termination/Straight Jointing kit (Hot/Cold Termination)	Raychem (Germany), 3M (USA), Elastimold (Egypt), DSG-CANUSA (GmbH)
5.	Fire Resistant Cables	Prismian, Cavicel, 2M, Schneider,
6.	Telephone Cables	PTCL Cables, Pioneer Cables, Newage cables, AGE Cables or Approved Equivalent
7.	Glands, Lugs, Ferrules, Connectors	Cembre (Italy), Hellermannntyton (UK)
8.	Cable Tagging/Labelling System	Cembre (Italy), Hellermannntyton (UK)
PVC AND STEEL CONDUIT		
9.	PVC Conduit & Accessories	Beta, Popular, Tesco, Adamjee (Durabuilt), Royal PVC
10.	Steel Conduit & Accessories	Hilal Industries, IIL, Jamal, Poineer
ELECTRICAL COMPONENTS		

11.	LV Circuit Breakers (MCB, MCCB, ELCB, ACB)	Schneider Electric, Siemens, Terasaki, ABB, Hager or Approved Equivalent.
12.	LV Magnetic Contactor, Starters & Thermal Overload Relay	Siemens (Germany), Schneider Electric, ABB, Legrand (France), Terasaki, Hager
17.	Push buttons and indication lights	Maruyasu (Japan), GE (EU), Schneider Electric, Fuji (Japan), Hanyong (Korea)
18.	Current Transformer/Voltage Transformer	Circutor (Italy), Revalco (Italy), Entes (Turkey), FICO
19.	Measuring Instrument	Revalco (Italy), Circutor (Italy), Entes (Turkey)
20.	VSS/ASS	Breter (Italy), Camsco, Schneider Electric
21.	HRC Fuses	Siba (Germany), ETI, KP
TRANSFORMER		
22.	Pad Mounted Transformers (11/0.415 kV)	PEL, Elmetech
ELECTRIC PANELS		
23.	LV Panel	PEL, Capital Electro, JEI Switchgear, South Asian Electric Concern. United Industrial Electronics, or approved equivalent.
24.	11 kV Panels	Capital Electro, JEI Switchgear, Siemens, Schneider (formerly Areva), PEL, Elmetech
LIGHTING FIXTURE & COMPONENTS		
25.	Surface/recessed office luminaries	Philips, Pierlite, Future Technologies, EAE , Osram, MKI, PAK Light
26.	Battens	Philips, Pierlite, Future Technologies, EAE , Osram, MKI, PAK Light
27.	Downlights	Philips, Pierlite, Future Technologies, EAE , Osram, MKI, PAK Light

28.	Control gear	Philips, Osram, Pierlite (Australia), GY LED,
29.	External Lights	Philips, Pierlite, Future Technologies, EAE , Osram, MKI, PAK Light
30.	Connectors/holders	Source as approved by the "Engineer"
SWITCHES, SOCKETS, TELEPHONE & CATV POINTS		
31.	Switches	Legrand, MKI, Schneider, Opal, Aqua or Approved Equivalent.
32.	Sockets	Legrand, MKI, Schneider, Opal, Aqua or Approved Equivalent.
33.	Dimmer / Fan Speed Controller	Legrand, MKI, Schneider, Opal, Aqua or Approved Equivalent.
34.	Connection Unit	Legrand, MKI, Schneider, Opal, Aqua or Approved Equivalent.
35.	Voice/TV/Data Outlets	Legrand, MKI, Schneider, Opal, Aqua or Approved Equivalent.
ELECTRONICS/COMPUTER EQUIPMENT		
36.	Public Address System	TOA (Japan), Bosch (EU), Optimus (Spain), Honeywell, AudioTech, MASTER, Panasonic
37.	PABX	Alcatel-Lucent, Samsung, Panasonic
MISC MATERIALS		
38.	Cable Tray with accessories	Ashraf Industries, Ezzi Engineering, Electroline, JEI, Elechtrech,
39.	Light Poles	Jamal Pipes, PECO, Excel Engineering, Lion Industries, IIL

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PLUMBING WORKS

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S.No.	Description of Item / Material / Equipment		Recommended Manufacturer/ Brands
1.	G.I. Pipes	i. ii. iii.	M/S International Industries Ltd. M/S Bashir Pipe Industries Pvt. Ltd. M/S Jamal Pipe Industries Pvt. Ltd.
2.	G.I. Pipe Fittings	i. ii.	M/S HE China M/S TG China
3.	HDPE Pipe & Fittings	i. ii. iii.	Royal PVC. M/S International Industries Ltd. Master or approved equivalent
4.	MS Seamless Pipe (For Fire Fighting)	i.	Huffaz Seamless Pipe Industries Ltd. or approved equivalent
5.	Sanitary Fixtures	i. ii. iii. iv.	Durr Cerâmicas Master ASIA Cerâmicas M/S ICL or approved equivalent
6.	Sanitary Fittings	i. ii. iii. iv.	M/S Master M/S Sonex M/S Faysal or approved equivalent
7.	Bronze/Brass Valves	i. ii.	M/S Kitz M/S Econosto or approved equivalent
8.	Cast Iron Valves & Fittings	i. ii.	M/S Scon M/S GMD Sons or approved equivalent
9.	Electric Water Cooler	i. ii. iii. iv.	M/S Meco M/S Canon Sonex SANYO or approved equivalent

10.	Fire Equipment	i. ii.	M/S Haseen Habib M/S Adams Fire Tech or approved equivalent
11.	Electric Water Heaters	i. ii. iii. iv.	M/S Canon M/S Reliance M/S SUPER ASIA or approved equivalent
12.	Gas/Electric Twin Water Heaters	i. ii. iii. iv.	M/S Canon M/S Corona M/S Super ASIA or approved equivalent
13.	uPVC Pipes and Fittings	i. ii. iii. iv.	M/S Royal PVC M/s POPULAR (Waheed Shahzad) M/s MASTER PIPES M/s Turk Plast or approved equivalent
14.	PPR Pipes & Fittings	i. ii. iii. iv.	M/S Royal PVC M/s POPULAR (Waheed Shahzad) M/s MASTER PIPES M/s Turk Plast or approved equivalent
15.	C.I. Roof Drain and Traps C.I Manhole/Grating Covers	i. ii.	M/S Alpine (Atif Global) M/S Sandan Engg. Pvt. Ltd (Teepu) or approved equivalent
16.	Water Filters	i. ii. iii.	M/S So-Safe M/S Enviro Pak M/s Marshal or approved equivalent
17.	Pumping Machinery	i. ii. iii.	M/S Grundfos M/S KSB MAK Pumps or approved equivalent
18.	Flexible Water Tank	i. ii.	Super Tuff (Sun International Pvt. Ltd) MASTER FIT or approved equivalent
19.	Hangers & supports	i. ii.	M/S Fischer. M/S Hilti. or approved equivalent

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