

**APPROVED MAKE LIST****Name of Work: Construction of New Building of State Guest House at Annexe Circuit House Campus, Shahibaug, Ahmedabad**

	Notes:
1	Any make shall only be used after obtaining prior approval in writing from the Engineer-in-charge.
2	Bidder shall bid with respect to consideration that he shall have to procure any of the make from the list of the entire approved make list based on technical merit and not the lowest costing to bidder.
3	Though an effort has been made to include all the items and multiple makes for the same, in case any item is found missing in the approved make list, the Engineer-in-charge and architect/ PMC shall have full rights suggest the brand and company from the market which meet tender specifications, relevant IS codes and best market quality.
4	For all aesthetics related decision approval shall be sought from engineer in charge, competent authority and architect and if required mock ups shall be prepared prior to approval.

LIST OF MAKES FOR CIVIL WORK		
SR NO	ITEM	MAKE COMPANY/ BRAND
1	ORDINARY PORTLAND CEMENT/ POZZOLONA PORTLAND CEMENT	ULTRATECH, AMBUJA, SIDDHI , JK, JAYPEE, ACC, L&T, CEMENT CORPORATION OF INDIA, JAIPRAKASH, SANGHI, SAURASHTRA CEMENT, KAMAL, NIRMAL, JAY PEE, CENTURY, BIRLA OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
	WHITE CEMENT	JK WHITE, BIRLA WHITE OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
2	ANTI - TERMITE TREATMENT	BAYER PREMISE , RALLIS INDIATERMEX, PESTCONTROL INDIA LTD , HI-CARE, TATA CHEMICALS, FMC, EXCEL , ULTIMA SEARCH/ BHARAT INSECTICIDES, RENTOKIL PCI OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
3	TMT "FE – 500/500D/550 D" RIBBED BARS	MATCHING IS CODES AND HAVING BIS LICENSE SUCH AS TATA, VIZAG, SAIL, ESSAR, ELECTRO TMT, ASR, THERMAX, ELECTROTHERM, VINAYAK, UTKARSH, JSPL, RINL, JSW STEEL OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
4	MODULAR BRICK	JJB (JAY JALARAM BRICKS), HARIHAR BRICKS, JBC (JALARAM BRICKS CO.), KESARJAN, AMDAVAD ENVIRO PROJECTS, RADHAKRISHNA OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
5	READY MIX LIME MORTAR, PLASTER, LIME FINISH	KESARJAN, AMDAVAD ENVIRO PROJECTS, JBR COATINGS AND INSULATIONS (LIMOCOAT), ESHAN MINERALS (ESHAN GOLD LIME PLASTER), DELIGHT CHEMICALS PVT. LTD (SURYA CEM), CETCON BUILDING TECHNOLOGIES PVT. LTD. OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.

6	STRUCTURAL HOLLOW STEEL SECTIONS (TUBULAR, SQUARE & RECTANGULAR)	MATCHING IS CODES AND HAVING BIS LICENSE SUCH AS TATA, SAIL, ESSAR, ASR, JSPL, RINL, ASIAN OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
7	COARSE AGGREGATES (MACHINE CUT)	AS PER RELEVANT IS CODES
8	COARSE AGGREGATES 6MM TO 40MM SIZES(HARD BLACK TRAP STONE)	AS PER RELEVANT IS CODES
9	STONE RUBBLES & GRAVELS (HARD BLACK TRAP STONE)	AS PER RELEVANT IS CODES
10	PAVER BLOCK/FLAGSTONE / GRASS PAVER BLOCK/KERB STONE	VYARA, KESARJAN, AMDAVAD ENVIRO PROJECTS OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
11	TEXTURED COATING, PAINT, PRIMER, WHITE CEMENT PUTTY	HERITAGE, UNITILE, DUBOND, INDOTEX PAINTS, EARTHEN TEXTURES, LIMOCOAT, KESARJAN, ASIAN PAINTS ASIAN PAINTS, KANSAI NEROLAC, DULUX OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
12	CONSTRUCTION CHEMICALS (PLASTICISERS, BONDING AGENTS, , SBR LATEX, MICRO CONCRETE, WATER PROOFING CHEMICAL, POLYSULPHIDE SEALANT, P.U SEALANT, GROUT ETC.)	BASF, FOSROC, SIKKA, KERAKOLL, BOSTIK, CHEMAX, CHITRA INSULTEC, DUBOND, CICO, CHEMBOND, PERMA CONSTRUCTION AIDS, REDWOP CHEMICALS,PIDILITE, CHAWKSEY OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
13	CRYSTALLINE WATER PROOFING	PENETRON, KRYTON, BOSTIK, XYPEX, KERAKOLL OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
14	PRE-COATED STEEL ROOFING/ WALLING SHEETS 550 MPA	TATA BLUESCOPE, JSW, INTERARCH, NIPPON DENDRO, NATIONAL STEEL, SHREE PRECOATED, SANTANI STEEL OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
15	C&D WASTE BUILDING MATERIAL (BRICK, CONCRETE BLOCK, GRASS PAVER ETC.)	KESARJAN, AMDAVAD ENVIRO PROJECT OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
16	SIGNAGE	AS PER RELEVANT IS CODES
17	PRECAST JAIL BLOCK/PRECAST ELEMENT (ANY TYPE )	VYARA, KESARJAN,AMDABAD ENVIRO PROJECT. PIERCON MBM PRECAST, URBANAAC OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
18	PU/ LACQUER/ MELAMINE POLISH	ASIAN PAINTS, ICA, DULUX, KANSAI NEROLAC, ESSDEE PAINTS, SHEENLAC, TARALAC, PIDILITE OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
19	STONEWARE PIPES/GULLY TRAPS/NP2 /NP3 PIPE	AS PER RELEVANT IS CODES

20	UPVC, HDPE, CPVC PIPES, FITTINGS AND ACCESSORIES	ASTRAL, SUPREME, ASHIRVAD, PRINCE, FINOLEX OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
21	ALL TYPE GLAZED, CERAMIC, VITRIFIED TILES AND ARTIFICIAL STONE	RAK, SOMANI, KAJARIA, NITCO, SIMPOLO, AGL, HR JOHNSON, BELL OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
22	PLYWOOD/ MDF/ PARTIAL WOOD/ LAMINATE/ NATURAL WOOD VEENERS	ANCHOR, ACTION TESSA, DURIAN, CENTURY, KITPLY, GREENPLY, GREENLAM, MERINO, FORMICA, VIIR LAMINATE, ROYALE TOUCHE, TURAKHIA DECOR, ARCHIDPLY OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
23	ALUMINUM SECTION/ ALUMINIUM EXTRUSIONS	JINDAL, HINDALCO, NATIONAL, BIANCO, MAAN ALUMINIUM LIMITED, INDALCO OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
24	PAINT (ALL TYPE), PRIMER	ASIAN PAINTS, NEROLAC PAINT, ICI DULUX, JONSON & NICHOLSON, BERGER PAINTS, NIPPON PAINT OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
25	ALL TYPE OF CONSTRUCTION MATERIAL	PIDILITE, STRUCO EXCEL, CICO, FOSROC, SIKA, BASF, INDRAJEET CONSTRUCTION CHEMICALS (ICC), KRISHNA CONCARE, KERAKOLL OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
26	WPC DOOR SHUTTERS	RAJSHRI, PLASTO GREEN, KAKA, ECOSTE OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
27	WATERPROOF GYPSUM AND DRY WALL BOARD/	SAINT GOBAIN, GYPELITE, INDIA GYPSUM, EVEREST, USGME, RAMCO INDUSTRIES LTD OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
28	ACOUSTIC FABRIC PANELLING	ARMSTRONG OR EQUIVALENT, PREKSHA INTERIORS PRIVATE LIMITED, CEILTEX, ANUTONE OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
29	PVC, UPVC, HDPE, CPVC PIPES, UPVC RAIN WATER PIPES, RIGID PVC PIPES FITTINGS AND ACCESSORIES	ASTRAL, SUPREME, ASHIRVAD, PRINCE, FINOLEX OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
30	SANITARY WARE, CP FITTINGS AND ALLIED ACCESSORIES,	HINDWARE, JAQUAR, KOHLER, GROHE, AMERICAN STANDARD OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
31	ALL TYPE OF VALVES, STRAINERS AND ALLIED FITTINGS	RB (ITALY), SANT, CIM, SKS, ZOLOTO, LEADER, HARRISON, HAWA, KIRLOSKAR, C&R, CASTLE, INTERVALVE, CRI, HP VALVES & FITTINGS, AIRA, UFLOW, JEKON CONTROLS, ASTEN CONTROLS, LEHRY VALVES, L&T, AMTEC, HONEYWELL, JOHNSON CONTROL, SAUTER, SIEMENS, ANERGY, KITZ, AUDCO, BONAMI, VALTREE, TOUR & ANDERSON, DS ENGG, EMERALD, FLOWCON, SEVCON, H. GURU. JACK TECH, FORBES MARSHALL, WAAREE, SKG,

		KARTAR, HD FIRE, SWATI, WINCO, GRAP FIRE, OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
32	FIRE EXTINGUISHERS	KANEX/ SAFETY FIRST/ SAFETYPLUS/CEASE FIRE/ MINIMAX /FIRENET/OMEGA OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
33	POLYSTER FIBRE ACOUSTIC SHEET	BATIMAT, INROCK/ INSOUND (INNER ENGINEERING), SOUND TIGHT, ANUTONE, ECOTONE OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
34	OFFICE CHAIR	WIPRO, FEATHELITE, GODREJ, HOF, AFC, DURIAN OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
35	MODULAR FURNITURE	AFC, FEATHELITE, GODREJ, SUJAKO, BALAS SPACE PLAN, PSL MODULAR(EUROCOSTIC), LE MODULOR, PRATHAM, AARTI INDUSTRIES, HOF OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
36	SOFA	DURION, SUJAKO, HOF, GODREJ, FEATHERLITE OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
37	FURNITURE HARDWARE & ACCESSORIES	GODREJ, DORMA, GEZE, OZONE, HAFELE, KAFF, MAGNUM, HETTICH OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
38	ZEBRA BLIND	HUNTER DOUGLAS, D DÉCOR, MARVEL, DÉCOR, AD BLIND, DECK, DECOLUX, DYNAMIC OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
39	GLASS	SAIN GOBAIN, VITRO (PPG), ASAHI, GUARDIAN GLASS, SCHOTT OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.
40	FABRICS	D'DECOR, SAROM, GM, SYMPHONY FABRICS OR EQUIVALENT AS DIRECTED BY ENGINEER IN-CHARGE/ARCHITECT.

**LIST OF APPROVED MAKE FOR ELECTRICAL WORK**

SR NO	ITEM	MAKE COMPANY/ BRAND
1	H.T. VCB / PANEL	ABB / SIEMENS / SCHNEIDER ELECTRIC. HT PANEL SHALL BE OEM OR OEM PARTNER.
2	TRANSFORMER	ABB / SCHNEIDER/ SIEMENS/ GE/ VOLTAMP
3	PROTECTION RELAY FOR H.T PANEL	LEGRAND/SIEMENS/SCHNEIDER/L & T/ABB
4	H.T. XLPE CABLE	FINOLEX /RR KABEL /KEI/POLYCAB
5	H.T. JOINT (HEAT SHRINKABLE)	RAYCHEM / 3-M
6	LT ACB	LEGRAND/SIEMENS/SCHNEIDER/ABB/L&T
7	LT MCCB WITH EARTH FAULT	LEGRAND/SIEMENS/SCHNEIDER/ABB/L&T
8	LT MCB, ELCB, RCCB	LEGRAND/SIEMENS/SCHNEIDER/ABB/ L&T
9	LT SFU	LEGRAND/SIEMENS/SCHNEIDER/ABB/ L&T

10	LT CONTACTORS	LEGRAND/SIEMENS/SCHNEIDER/ABB/L&T
11	LT PANELS	FABRICATED PANELS WITH STANDARD APPROVED SWITCH GEARS & ACCESSORIES CPRI / ERDA APPROVED PANEL SUPPLIERS
12	SPD	OBO/SCHNEIDER/LEGRAND/L&T
13	DISTRIBUTION BOARDS	LEGRAND EKINOX 3/SCHNEIDER ACTI 9/ABB/SIEMENS ALPHA
14	MEDIUM VOLTAGE CABLE / CONTROL / FLEXIBLE CABLE	RR KABEL / HAVELLS/ FINOLEX/ KEI/ POLYCAB
15	WIRES FOR INTERNAL WIRING	RR KABEL /FINOLEX/POLYCAB/ANCHOR
16	CABLE TRAY ( ALL TYPE )	POLYCAB/OBO/LEGRAND / MIC
17	CHANGE OVER SWITCH	ASCO / SOCOMEC / L&T
18	METERS (DIGITAL)	SCHNEIDER / SECURE/ SIEMENS/ L&T/ HPL
19	MFM	SCHNEIDER / SECURE/ SIEMENS/ L&T/ HPL
20	RELAYS- EARTH FAULT	SIEMENS / SCHNEIDER / ABB / LEGRAND
21	PROTECTION RELAY	SIEMENS / SCHNEIDER /L&T/ ALSTOM/ABB/CSPC
22	INDICATING LAMP	SIEMENS / SCHNEIDER ELECTRIC / TEKNIC -KEYCEE
23	ELECTRIC TIMER	SIEMENS / LEGRAND/CONSERVE / GIC
24	ROTARY SWITCH	SIEMENS / SCHNEIDER ELECTRIC / TEKNIC - KEYCEE / SALZER
25	PUSH BUTTON AND PUSH BUTTON SET	SCHNEIDER ELECTRIC / L&T / SIEMENS/ HPL
26	SELECTOR SWITCH	TEKNIC - KEYCEE / SALZER/ SCHNEIDER ELECTRIC / L&T / SIEMENS/ HPL
27	LUGS / BIMETALLIC LUGS	HMI/COMET/3M/DOWELLS
28	CABLE GLAND	HMI/COMET/3M/ SCHNEIDER ELECTRIC / L&T / SIEMENS/ HPL
29	CONNECTORS ( COLOURS AS PER PHASE & NEUTRAL )	SALZER / ELEMEX/ SCHNEIDER ELECTRIC / L&T / SIEMENS/ HPL
30	LIGHTNING PROTECTION	MAP WORLD WIDE / STERLING ENTERPRISE / OBO BETTERMANN / NISHARP/ SCHNEIDER/ L&T / SIEMENS
31	PVC CONDUITS AND ACCESSORIES	PRECISION/FINOLEX/ASTRAL
32	SELECTOR SWITCH	L&T
33	ANNUNCIATOR	PROTON / EAPL / TEKNIKA/ SCHNEIDER/ L&T/ GIC
34	CASING CAPING	PRECISION / NIHIR / ASTRAL / BPL / BLP
35	MODULAR SWITCHES, SOCKETS & OTHER ACCESSORIES	MK / LEGRAND / SCHNEIDER / HAVELLS/ SALZER/ ANCHOR-ROMA
36	METAL CLAD SOCKET WITH MCB	MK / LEGRAND / SCHNEIDER / HAVELLS/ SALZER/ ANCHOR-ROMA
37	PVC TAPE	STEEL GRIP ANCHOR/ PIDILITE/ 3M
38	PVC JUNCTION BOX	SINTEX / CLIPSAL / NIHIR / PRECISION / POLYCAB
39	COAXIAL TV CABLE	RR KABEL/FINOLEX/POLYCAB/ANCHOR
40	LIGHT FIXTURES - EXTERNAL / INTERNAL	HAVELLS/CG/LIGHTINGTECHONOLGY/PHILIPS/ FUTURA / WIPRO / RANGE-LITE / TRINITY
41	CEILING FAN / EXHAUST FAN	HAVELLS/CROMPTON/BAJAJ / ORIENT / USHA
42	BLDC CEILING FAN (BELOW 5' DIA)	ATOMBERG/ SUPERFAN/ ORIENT/ CROMPTON/ HAVELLS
43	HVLS FAN	THE FAN STUDIO/ VARNI ENGINEERING/ AUSTAR/ KELLY/ MARUT AIR/ ANEMOS/ RR ELECTRIC/ CARYAIRE/ NICORTA / NUTECH

44	INLINE FAN	WALDBROS/ CARYAIRE/ ROTECH/ TECHFLOW/ RUSKIN TITUS/ GREEN HECK/ FANAIR/ AMARYLLIS
45	AIR CURTAIN	VTs/ JET INDIA/ DOLPHY/ EURONICS/ EUREKA/ AIR STAR/ TRIPTI/ AWOCO/ MAXWELL
46	SENSORS	PHILIPS/MK/LUTRON/LEGRAND/ SCHNEIDER/INFINEON TECHNOLOGIES/ ANALOG DEVICES/ OMRON CORPORATION/ TEXAS INSTRUMENTS/ TE CONNECTIVITY/ NXP SEMICONDUCTORS/MICROCHIP TECHNOLOGY MURATA/ RENESAS ELECTRONICS/ STMICROELECTRONICS/ VISHAY INTERTECHNOLOGY/ ROHM SEMICONDUCTOR/ HONEYWELL
47	UNDER FLOOR METAL TRUNKING / CABLE MANAGEMENT SYSTEM ON WALL	MK/ LEGRAND/ HONEYWELL/ OBO BETTERMANN/ SCHNEIDER
48	POLE	BAJAJ/TRANSRAIL/GRP
49	METAL CONDUIT	BEC / AKG / BHARAT
50	UPS SYSTEM	NUMERIC, SCHNEIDER, EATON/ MICROTEK/ LUMINOUS/ SU-KAM/ AMARA RAJA/HITACHI HI-REL/DELTA POWER SOLUTIONS/ TRUE POWER
51	EARTHING SYSTEM	MAP WORLD WIDE / STERLING ENTERPRISE / OBO BETTERMANN/ASHLOK/ KOPELL GROUNDING SYSTEMS
52	DG SET	CUMMINS (SUDHIR) / VOLVO/ MAHINDRA POWEROL/ KIRLOSKAR/ FG WILSON/ INGERSOLL RAND/ CUMMINS
53	DG SET AMF PANEL	AS PER THE DG SET SUPPLIER. (SWITCHGEAR AS PER MAKE LIST.)
54	SYNCHRONIZATION RELAY	STUCKE/WOODWARD/ SCHNEIDER/ SEIMENS/ L&T
55	CAPACITOR	EPCOS / SCHNEIDER/ SEIMENS/ L&T
56	LIFT	OTIS/ SCHINDLER/ JOHNSON/ KONE/ MITSUBISHI/ OMEGA/ TRIO/ ORBIS

**LIST OF APPROVED MAKE FOR HVAC WORK**

SR NO	ITEM	MAKE COMPANY/ BRAND
1	VRF SYSTEM	TOSHIBA, MITSUBISHI ELECTRICAL, CARRIER, O GENERAL
2	HI WALL SPLIT UNITS	TOSHIBA, MITSUBISHI ELECTRICAL, CARRIER, O GENERAL
3	CENTRIFUGAL FAN / CABINET FAN	AIR FLOW, SYSTEM AIR, KRUGER, CARYAIRE
4	AXIAL FLOW FAN	AIR FLOW, SYSTEM AIR, KRUGER,CARYAIRE
5	INLINE / PROPELLER FAN / CABINET FAN	SYSTEM AIR, KRUGER, CARYAIRE,HAVEL'S, CROMPTON, AIR FLOW
6	COPPER PIPE	MAX FLOW ,TOTALINE ,MANDEV
7	GRILLE/DIFFUSER / DISC VALVE	AIR PRODUCT , AIR FLOW ,SYSTEM AIR
8	DAMPER	AIR PRODUCT, SYSTEM AIR, AIR FLOW
9	ANCHOR FASTENER/ SUPPORTS	MUPRO, HILTI , DIAMOND
10	INSULATION -CLOSED CELL ELASTOMERIC NITRILE RUBBER ALONG WITH ADHESIVE ./ GC CLOTH / PROTECTIVE LAYER	ARMACELL - ARMAFLEX , AEROFOAM
11	ACOUSTIC INSULATION - NITRILE RUBBER	ARMACELL - ARMASOUND , AEROFOAM
12	FLEXIBLE DUCT	MUPRO,UP TWIGA,RESISTOFLEX,HIRA
13	PVC / CPVC PIPES	ASTRAL ,PRINCE ,FINOLEX

14	ODU STAND - FOOT MOUNTED	FIXOTECH
<b>B</b>	<b>ELECTRICAL ACCESSORIES</b>	
1	MOTOR	ABB, BHARAT BIJLEE,KIRLOSKAR,SIEMENS
2	STARTER	ABB, ALLEN BRADLEY, KIRLOSKAR, L & T, SCHNEIDER SIEMENS
3	VARIABLE FREQUENCY DRIVE (VFD)	ABB, DANFOSS, SIEMENS, VACON
4	AIR CIRCUIT BREAKER (3/4 POLE) (SELECT ANY ONE RANGE ONLY)	ABB( E-MAX), GE POWER CONTROLS (M-PRO), LARSEN & TOUBRO (U-POWER)MITSUBISHI ELECTRICAL, SCHNEIDER ELECTRIC (MASTER PACT NW ),SIEMENS (3 WL)
5	MOULDED CASE CIRCUIT BREAKER (MCCB)	ABB (T – MAX), GE POWER CONTROLS (RECORD PLUS), LARSEN & TOUBRO (D-SINE), MDS LEGRAND, MITSUBISHI ELECTRICAL, SCHNEIDER ELECTRIC (COMPACT NS), SIEMENS (3VL)
6	MOTOR PROTECTION CIRCUIT BREAKER(MPCB)	ABB,GE POWER CONTROL ,HAGER ( MARKETED BY LARSEN & TOUBRO), SCHNEIDER ELECTRIC, SIEMENS
7	AUTOMATIC TRANSFER SWITCH (ATS)	ASCO GE POWER CONTROL
8	MINIATURE CIRCUIT BREAKERS (MCB)	MDS LEGRAND,L&T,SCHNEIDER ELECTRIC–(MULTI 9)
9	POWER/AUX. CONTACTOR	ABB,GE POWER CONTROL,LARSEN & TOUBRO,MITSUBISHI ELECTRICAL,SCHNEIDER ELECTRIC ,SIEMENS
10	CHANGE OVER SWITCH	C & S,HAVELLS,H H ELCON,HPL – SOCOMEC,LARSEN & TOUBRO
11	PROTECTION RELAY A. NUMERIC TYPE	ABB AREVA,LARSEN & TOUBRO,PROK DEVICES PVT. LTD ,SIEMENS
	B. ELECTROMAGNETIC TYPE	ABB,AREVA,LARSEN & TOUBRO
12	INDICATING LAMPS LED TYPE AND PUSH BUTTON	ALTOS ,GE POWER CONTROLS,LARSEN & TOUBRO (ESBEE),SCHNEIDER ELECTRIC (MG),TEKNIK,VAISHNO ELECTRICALS
13	OVERLOAD RELAYS WITH BUILT IN SINGLE PHASE PREVENTER	ABB ,GE POWER CONTROLS,LARSEN & TOUBRO,MITSUBISHI ELECTRICAL,SCHNEIDER ELECTRIC(TELEMECHANIQUE),SIEMENS
14	ELECTRONIC DIGITAL METERS(A/V/PF/HZ/KW/KWH) WITH LED DISPLAY	ABB,AUTOMATIC ELECTRIC,CONZERV,EL MEASURE,L & T,NIPPEN,SCHNEIDER ELECTRIC,SECURE
15	PVC INSULATED XLPE ALUMINIUM/COPPER CONDUCTOR	FINOLEX, KEI, POLYCAB
	ARMOURED MV CABLES UPTO 1100 V GRADE	
16	BIMETALLIC CABLE LUG	COMET, COSMOS, DOWELL'S (BILLER INDIA)
17	PVC INSULATED COPPER CONDUCTOR STRANDED FLEXIBLE WIRES (FRLS) -	FINOLEX, KEI,POLYCAB,KAYCEE,SALZER (LARSEN & TOUBRO)
18	SELECTOR SWITCH, TOGGLE SWITCH	
19	TIMER	ABB,BCH,GE POWER CONTROL, LARSEN & TOUBRO, MDS LEGRAND, SCHNEIDER ELECTRIC, SIEMENS
20	CABLE TRAYS (FACTORY FABRICATED) / RACEWAYS	BHAVSAR, LABH, MARUTI
21	FIRE SEALANT & FIRE RETARDANT PAINT	BIRLA 3 M, HILTI

22	ELECTRICAL PANEL	AMAZE / SUN / ACTIVE
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**Deputy Executive Engineer  
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