

| CIVIL WORK MAKE LIST |  |   |  |
|----------------------|--|---|--|
| Sr No                | ITEM   | MAKE  | REMARK                                   |
| 1                    | CEMENT (OPC-53)  | AMBUJA, ULTRATECH, SANGHI, HATHI, SIDDHI, J K LAXMI, J.K. SUPER, ACC  |  |
| 2                    | REINFORCEMENT STEEL  | TATA, SAIL, VIZAG   | SMALL PROJECTS                           |
| 3                    | TMT STEEL FE – 500 & 500 CRS                                 | ELECTRO, POLAAD, GERMEN-TMX, ASR, SOMESHWAR, GALLENT  |  |
| 4                    | VITRIFIED FLOOR TILES/ WALL TILES                            | AGL, SOMANY,RAK, JOHNSON, KAJARIA, SIMPOLO, NITCO   | Follow as per Approved Series/ Code Nos. |
| 5                    | C PVC & U PVC PLUMBING PIPES                                 | ASHIRVAD, ASTRAL, SUPREME, DUTRON, PRINCE,FINOLEX   |  |
| 6                    | SWR (U-PVC) PIPES AS PER IS:13592 (TYPE-B) ANY DIA.          | ASHIRVAD, ASTRAL, SUPREME, DUTRON, PRINCE,FINOLEX   |  |
| 7                    | SER RAIN EATER PIPES (U-PVC) (TYPE-B) ANY DIA.               | ASHIRVAD, ASTRAL, SUPREME, DUTRON, PRINCE,FINOLEX   |  |
| 8                    | UNDER GROUND DWC PIPES                                       | ASTRAL, SUPREME, PRINCE, GEMINI   |  |
| 9                    | C.P. FITTING   | SOMANY, JAQUAR. KOHLER, CERA, JOHNSON, ROCA, PLUMBER, GROHE   | Follow as per Approved Series/ Code Nos. |
| 10                   | SANITARY WARE  | SOMANY, JAQUAR, CERA, PARRYWARE, JOHNSON, KOHLER, RAK, SIMPOLO  | Follow as per Approved Series/ Code Nos. |
| 11                   | WHEEL VALVE/ HANDEL VALVE/SLUICE VALVE                       | ZOLATO, ZEST, LEADER  |  |
| 12                   | S.S.KITCHEN SINK   | NIRALI, NILKANTH, CARYSIL, JOHNSON  | LIKE E CAT AND USE                       |
| 13                   | ACRYLIC/ PLASTIC PAINT, PRIMER                               | ASIAN, DULUX, ICI, BURGER, NEROLAC  | Follow as per Approved Series/ Code Nos. |
| 14                   | 24MM SOLID THREE LAYER PVC DOOR SHUTTER WITH WPC FRAME       | RAJSHRE, ECHON, ALSTONE   |  |
| 15                   | LAMINATED FLUSH DOOR- DECORATIVE / NON DECORATIVE            | ARCHID, GREEN PLY, KIT PLY, CENTURY PLY, GREEN PANEL ANCHOR   |  |
| 16                   | LAMINATE SHEET   | ROYAL TOUCH, CENTURY, ARCHID, CENTURY, SUNMICA, MARINO  |  |
| 17                   | PLYWOOD  | ARCHID, GREEN PLY, KIT PLY, CENTURY PLY, GREEN PANEL  |  |
| 18                   | HDF BOARC  | ACTION TESA, GREEN PANEL, CENTURY, ARCHID   |  |
| 19                   | DOOR AND FURNITURE HARDWARE ACCESSORIES                      | DORSET, ASAA ABLOY, EVERSHINE. OLIVE, HAFELE, HETTICH, OZONE, KITCH, DORMA, EBCO  |  |
| 20                   | CONSTRUCTION CHEMICAL, WATER PROOFING CHEMICAL AND ADHESIVES | FOSROC, SAIN GOBAIN WEBER, ECMAS, JAY CHEMICAL (K2), CERA CHEM, PIDILITE ASIAN PAINT, MAPEI, SIKKA, CICO, ZYDEX (ZYCOSIL) |  |
| 21                   | PVC WATER TANK (ISI MARK)                                    | SINTEX, ASTRAL, VECATUS, SUPREME, PRINCE  |  |
| 22                   | ALUMINUM SECTIONS  | JINDAL, HINDALCO, INDALCO, BANCO  |  |
| 23                   | FIRE DOOR  | SHAKTI HORMANN, NAVAIR, ACODOR, GODREJ  |  |
| 24                   | PAVER BLOCK & Curbing  | VYARA, SONA, VINAYAK, WINERS  |  |
| 25                   | SS RAILING   | KICH, OLOVE, OZONE  |  |
| 26                   | PIPESUPPORTING CLAMPING SYSTEM                               |   |  |

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| 27 | OFFICE CHAIR   | FEATHERLITE, GODREJ, WIPRO,<br>MERRYFAIR, STEELCASE  |   |
| 28 | PUTTY  | BIRLA, ASIAN, J.K.   |   |
| 29 | WATER STOPS  | ARTI CABLES, FIXOPAN   |   |
| 30 | ADHESIVES  | FEVICOL, ARALDITE, BLUE COAT   |   |
| 31 | ANCHOR FASTENER / BOLTS  | HILTI, FISCHER, MUNGO  |   |
| 32 | FLOOR SPRING   | DORMA, GODREJ, OZONE   |   |
| 33 | DOOR CLOSER  | DORMA, GODREJ, OZONE   |   |
| 34 | WINDOW LOCKS CUM HANDLE  | DORMA, GODREJ, OZONE   |   |
| 35 | FILLER RUBBER OF GLASS PANEL   | EPDM QUALITY ONLY  |   |
| 36 | EPOXY BONDING  | MYK LATICRETE, ROFF CONCRETE<br>BOND (PIDILITE), WEBER, BONDSURE                                       |   |
| 37 | ANTI-TERMITE CHEMICALS   | CHLOROPYRIPHOS/ BIFLEX TC /<br>LINDANE   |   |
| 38 | FRP DOOR & FRAME   | ASTRAL WINDOWS, DUROFENSTER,<br>DURIAN   |   |
| 39 | TILE CHEMICAL  | BAL, LATICRITE, KERAKOLL, ROFF   |   |
| 40 | GRID FOR PVC FALSE CEILING   | SAINT GOBIN, ARMSTRONG, HILUX  |   |
| 41 | SPORTS FLOORING  | GRABO, STAG, LIMONTO,  | APPROVED BY BWF,<br>ITTF, FIBA, FIVA AS PER<br>CONCERN GAME |
| 42 | ACP  | VIRGO, EUROBOND, ALUCOBOND,  |   |
| 43 | ROOFING SHINGLES   | CERTAINTED, GAF, SAINT GOBIAN  |   |
| 44 | GLASS MIRROR   | MODI GUARD, SAINT GOBAIN, JEWEL,   |   |
| 45 | WHITE CEMENT   | BIRLA, J.K, ASIAN  |   |
| 46 | STRUCTURAL ROLLED STEEL SECTIONS-<br>BEAMS, CHANNELS, TEE, FLATS, ANGLES,<br>BARS(ROUND, SQUARE, HEXAGONAL,<br>BRIGHT), ETC. | TATA, SAIL, RINL, ASIAN  |   |
| 47 | STRUCTURAL HOLLOW STEEL SECTIONS<br>(SQUARE & RECTANGULAR)   | TATA, JINDAL, ASIAN  |   |
| 48 | STRUCTURAL TUBULAR SECTIONS  | TATA, JINDAL, ASIAN  |   |
| 49 | BRICK  | CHIMNEY BHATTHA  |   |
| 50 | GELVALLUME ROOF  | MAXROOF, JINDAL, EVEREST   |   |
| 51 | CEMENT BONDED PARTICLE BOARD   | NCL (BISON BOARD), EVEREST<br>(ETERNITE ), SHERA   |   |
| 52 | CALCIUM SILICATE BOARD / GYPSUM<br>BOARD   | SAINT GOBIAN, HILUX, AMSTRONG  |   |
| 53 | HDF  | ALFIACA, SUNDEK, VIR   |   |
| 54 | JOINT FILLER / SILICON PAINT   | WACKER, DOWCORNING, SIKA,<br>CHOKSHI   |   |
| 55 | PRE-COATED STEEL ROOFING/ WALLING<br>SHEETS  | TATA BLUE SCOPE INTERARCH,<br>NIPPON DENDRO (POLY STEEL) META<br>COLOR, SHREEPRECOATED (META<br>COLOR) |   |
| 56 | Brick Cladding   | Radha Krishna Bricks, Jay jalaram<br>Brick Works   |   |
| 57 | AAC Light Weight Block   | Eco green or equivalent approved by<br>engineer in<br>charge.  |   |
| 58 | Membrane Waterproofing   | Pidilite, Sika, Bitumat  |   |
| 59 | Steel plates   | Essar / JSW / Uttam Value Steel /<br>SAIL / Import   |   |
| 60 | SSR Sheeting Bare & Color gal. Bare &<br>color gal for PR panel.   | JSW / TATA Blue Scope  |   |

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| 61 | GI coil (for Purlin)                            | Essar / JSW / Uttam Galva  |  |
| 62 | HR Coil (for Purlin)                            | Essar / JSW / Uttam Galva  |  |
| 63 | Deck sheeting                                   | Uttam Value Steel, Mac roof<br>India,Pennar,Bansal Roofing, Inovise<br>Rise  |  |
| 64 | Hot Rolled Items: Angle,<br>Channel & Round Bar | Ambica / Khandelwal steel /<br>Vandana / Prime Ispat / Mahamaya/<br>Topworth/ Mittal Section/ Vijay<br>Steel/ Visat krupa/Shree Balram<br>Industries / Vivan Steel / British<br>Super Alloys / RINL / SAIL /JSPL |  |
| 65 | Beam & Joist                                    | Khandelwal steel / Vandana / Prime<br>Ispat / Mahamaya/ Topworth/ Mittal<br>Section/Shree Balram Industries /<br>RINL / SAIL / JSPL  |  |
| 66 | Circular & Sq Pipes                             | Riddhi Steel / Vinay wire / Asian /<br>Apollo / Surya<br>/ Welspun /Tata   |  |
| 67 | GI Sheet  | Essar / JSW / Posco  |  |
| 68 | 2mm Polycarbonate (0.45m strip) for SSR         | Tufflite / Palram  |  |
| 69 | 2mm Polycarbonate (1m wide) PR panel            | Tufflite / Palram  |  |
| 70 | Insulations (fibre glass)                       | UP Twiga Fiberglass / Iking - China  |  |
| 71 | Rockwool Insulation                             | Rockwool Insulation/ Shriram<br>Equiptech  |  |
| 72 | Sandwich Pannel                                 | Sintex / Metecno / Jindal  |  |
| 73 | Sealants /ropes                                 | Sealent tube- Boss, Mastic Roll-<br>Anabond.   |  |
| 74 | Compact sheet                                   | Alfiaca, Sundek, Vir, Bloom, Formica.  |  |
| 75 | Glazed tiles                                    | Johnson, Somani, Kajaria, Nitco,<br>Asian,Bell   |  |
| 76 | Ceramic tiles                                   | Johnson, Somani, Kajaria, Nitco,<br>Asian, Bell  |  |
| 77 | Linseed oil                                     | Saffola  |  |

**NOTE :-**

The Contractor shall obtain prior approval from the City Engineer/GMC – before placing order for any specific material or engaging any of specialized agencies. The contractor shall make a detailed submittal with catalogues and highlighted proposed specifications as well as full details of the works executed by the specialized agency as specified.

| ELECTRICAL WORK MAKE LIST |   |                               |
|---------------------------|---|-------------------------------|
| Sr No                     | Item  | Make                          |
| 1                         | COMPACT SUBSTATIONS   | SCHNEIDER, SIEMENS, ABB       |
| 2                         | DISTRIBUTION TRANSFORMERS   | SCHNEIDER, SIEMENS, ABB, BHEL |
| 3                         | 315KVA & BELOW 315KVA DISTRIBUTION TRANSFORMERS                             | SCHNEIDER, SIEMENS, ABB, BHEL |
|                           | TRANSFORMER LIGHTING-DRT TYPE (CAST RESIN)                                  | AS PER MAIN PRODUCT APPROVED  |
| 4                         | SWITCHBOARD MN 11/33 KV- INDOOR/ OUTDOOR TYPE (VCB/SF6)                     |                               |
| 5                         | PROTECTIVE RELAYS (NUMERICAL TYPE)  |                               |
| 6                         | PROTECTIVE AUXILIARY RELAYS (ELECTROMECHANICAL TYPE)                        |                               |
| 7                         | ELECTRONIC CIRCUIT RELAY  |                               |
| 8                         | CONTROL AND RELAY PANEL   |                               |
| 9                         | INSTRUMENT TRANSFORMERS (CT/PT)   |                               |
| 10                        | LV SWITCHBOARD-DRAWOUT/ FIXED TYPE (PCC/ PMCC/ MCC/ MLDB/ MPDB/ MOVDB/APFC) |                               |

| Sr No | Item  | Make   |
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| 1     | AIR CIRCUIT BREAKERS  | 1. SCHNEIDER, SIEMENS<br>2. ABB, L&T, LEGRAND          |
| 2     | MCCBS   | 1. SCHNEIDER, SIEMENS<br>2. ABB, L&T, LEGRAND          |
| 3     | SWITCH DISCONNECTOR FUSE UNIT (SDF) AND SWITCH DISCONNECTOR ISOLATOR            | 1. SCHNEIDER, SIEMENS<br>2. ABB, L&T, LEGRAND          |
| 4     | CHANGE-OVER SWITCH  | 1. SCHNEIDER, SIEMENS<br>2. ABB, L&T, LEGRAND          |
| 5     | SOFT STARTER (MICROPROCESSOR BASED)   | DANFOSS, SIEMENS, SCHNEIDER                            |
| 6     | VVVF DRIVES (VFD)   | DANFOSS, SIEMENS, SCHNEIDER                            |
|       | MV CAPACITORS   |  |
| 7     | LV CAPACITORS/ POWER CAPACITOR  | 1. SIEMENS, SCHNEIDER<br>2. HAVELLS, ASIAN, ABB, EPCOS |
|       | DETUNED SERIES REACTORS WITH TEMPERATURE MICRO SWITCH (HARMONIC FILTER REACTOR) |  |
| 8     | APFC PANEL  | 1. SIEMENS, SCHNEIDER<br>2. HAVELLS, ASIAN, ABB, EPCOS |
| 9     | APFC RELAY/ CONTROLLER  | 1. SIEMENS, SCHNEIDER<br>2. HAVELLS, ASIAN, ABB, EPCOS |
| 10    | AC/ DC POWER & AUXILIARY CONTACTOR  | 1. SIEMENS, SCHNEIDER<br>2. HAVELLS, ASIAN, ABB, EPCOS |
| 11    | BI-METAL/ ELECTRONIC/ MICROPROCESSOR BASED OVERLOAD RELAY                       | 1. SIEMENS, SCHNEIDER<br>2. HAVELLS, ASIAN, ABB, EPCOS |
|       | THERMISTOR PREVENTER  |  |
| 12    | SINGLE PHASING PREVENTER  | 1. SIEMENS, SCHNEIDER<br>2. HAVELLS, ASIAN, ABB, EPCOS |
| 13    | TIME SWITCH   | 1. SIEMENS, SCHNEIDER<br>2. LEGRAND                    |
| 14    | TIMERS/ TIME DELAY RELAY  | 1. SIEMENS, SCHNEIDER<br>2. LEGRAND                    |
| 15    | MOTORS  | 1. SIEMENS, ABB<br>2. BBL                              |
| 16    | BATTERY CHARGER & DCDB  | 1. SIEMENS, ABB<br>2. BBL, BHEL, L&T                   |

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| 17 | LIGHT FIXTURES  | 1. PHILIPS, WIPRO<br>2. JAGUAR  |
| 18 | CABLES H.V. XLPE INSULATED  | 1. HAVELLS, UNIVERSAL, FROTGLOSTER, RPG CABLE, KEI, POLYCAB   |
| 19 | LT POWER & CONTROL CABLES EARTHING CABLES                                     | ASIAN CABLE, RPG CABEL, KEI, GLOSTER, UNIVERSAL   |
| 20 | WIRES-FLEXIBLES (ALL TYPES)   | RR KABLE, KEI, L&T, POLYCAB, FINILAX  |
| 21 | LIGHTING/ SMALL POWER DISTRIBUTION BOARDS/ ENCLOSURES                         | SIEMENS, SCHNEIDER, LEGRABD   |
|    | MICROPROCESSOR BASED MOTOR PROTECTION RELAY WITH RS 485                       |   |
| 22 | MCB. RCCB, RCBO/ MCB/ ISOLATORS   | SIEMENS, SCHNEIDER, LEGRABD   |
| 23 | MPCB  | SIEMENS, SCHNEIDER, LEGRABD   |
|    | ALARM ANNUNCIATORS (SOLID STATE TYPE WITH LED ILLUMINATION) FACIA ANNUNCIATOR |   |
| 24 | DECORATIVE/ MODULAR SWITCH & SOCKET   | 1. LEGRABD, SIEMENS, SCHNEIDER<br>2. MK-HONEYWELL, (MODEL SELECTION IS IMPORTANT IN SWITCH)           |
| 25 | CEILING/ WALL MOUNTING/ EXHAUST FANS  | 1. CROMPTON, ALMONARD<br>2. ORIENT  |
| 26 | CABLE TERMINATION/ JOINTING KITS  | 3MM, ABB, M SEAL, RYCHEM  |
| 27 | CONTROL/ SELECTOR SWITCH  | ABB, ALSTOM, BCH, GE POWER CONTROL, HAVELLS, KAYCEE, L&T, SCHNEIDER, SIEMENS, RECOM, SULZER, EE/JYOTI |
| 28 | INDICATING LAPS   | ABB, ALSTOM, BCH, GE POWER CONTROL, HAVELLS, KAYCEE, L&T, SCHNEIDER, SIEMENS, RECOM, SULZER, EE/JYOTI |
| 29 | TERMINAL BLOCK/ CONNECTORS  | COMENCTWELL, ELMEX, PHEONIX, TELEMCHANIQUE/ WAGO  |
| 30 | CONTROL TRANSFORMER   | AE/ ASHMORE/ G&M/ INDCOIL/ NEC/ PRAGATI/ PRECISE/ SILKAANS  |
| 31 | SEMICONDUCTOR FUSE  | BUSSMANN/ FERRAZ/ GE / SIEMENS  |
|    | HRC FUSE (POWER & CONTROL)  |   |
| 32 | PUSHBUTTONS   | BECH/ L&t/ RASS/ SCHNEIDER/ SIEMENS/ TEKNIC/ VAISHNO  |
| 33 | PUSHBUTTON STATIONS/ JUNCTION BOX (CASTALUMINIUM)                             | BALIGA/ BCH/ CEAG/ EXPROTECTA/ FCG/FLEXPRO/ HANSU/ HENSEL/ PUSTRON/ SCHNEIDER/ SIEMENS/SUDHIR/ EXCEL  |
| 34 | NON METALLIC ENCLOSURES (INCLUDING INDUSTRIAL RECEPT ACLES)                   | 1. BCH, HENSEL, SEIMENS, SCHNEIDER, LEGRAND   |
| 35 | DIGITAL METER (EXCEPT KWH/ LOAD MANAGER/ MULTIPUNCTION METERS)                | 1. SIEMENS, SCHNEIDER, ALSTOM   |
| 36 | ELECTROMECHANICAL METERS-AMMETER & VOLTMETER                                  | 1. SIEMENS, SCHNEIDER, ALSTOM<br>2. AE, L&T, SECURE, IMP, MECO  |
| 37 | KWH/ LOAD MANAGER/ MULTI FUNCTION METER                                       | 1. SIEMENS, SCHNEIDER, ALSTOM<br>2. AE, L&T, SECURE, IMP, MECO  |
| 38 | CABLE LUGS  | 1. 3D, COMET, HMI, SIEMES   |
| 39 | CABLE GLANDS (SINGLE/ DOUBLE COMPRESSION, NI-PLATTED BRASS)                   | 1. 3D, COMET, HMI, SIEMES   |
| 40 | CABLE GLANDS - POLYAMIDE  | 1. 3D, COMET, HMI, SIEMES   |
| 41 | LIGHTNING ARRESTORS   | SCHNEIDER, ELPRO, SEIMENS, OBBO   |
| 42 | SURGE SUPPRESSORS   | SCHNEIDER, ELPRO, SEIMENS,  |
| 43 | UNINTERRUPTED POWER SUPPLY (UPS)  | SCHNEIDER, FUJI, ABB, EMERSON, HITACHI  |
| 44 | GI CABLE TRAYS  | 1. INDIANA, GLOBE<br>2. SUPER ELECTRO, SILVERLINE   |

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| 45     | UPVC CONDUIT & ACCESSORIES  | 1. PRECISION<br>2. POLYCAB,L&T,Clipsal,ASTRAL,SALZER   |
| 46     | MS/ GI CONDUIT & PIPES  | BEC INDUSTRIES/ JINDAL/JK TUBE/SAIL/ TATA<br>STEEL/ ZENITH   |
| 47     | SMF/ VRLA/ NI-CD/ LEAD ACID (PLANTE/ TUBULAR) BATTERY   | AMARA RAJA BATTERIES LATD/ AMCO/ EXIDE/<br>HBL POER SYSTEMS LTD, AUTOMATIC<br>ELECTRIC   |
| 48     | MS/ GI LIGHTING POLES & BRACKETRS   | BAJAJ, SURYA, BOMBAY TUBES & POLES<br>LOCAL  |
| 49     | HIGH MAST LIGHTING SYSTEM   | PHILIPS, BAJAJ, SURYA, CGL   |
| 50     | BUSDUCT   | SIEMENS, SCHNEIDER, L&T  |
| 51     | DIESEL ENGINES  | ASHOK, LEYLEND, CATERPILLAR, KOEL,<br>PERKINS  |
| 52     | ALTERNATORS FOR DG SETS   | CG, NGEF, STAMFORD, KOEL   |
| 53     | HANDHELD DIGITAL MULTIMETER CLIP-ON METER/ MEGGER   | 1. FLUKE<br>2. MECO IMP, RISHABH, MEGGER   |
| 54     | CAPACITOR DUTY CONTACTOR  | 1. SIEMENS, SCHNEIDER<br>2. L&T  |
| 55     | BATTERY BACKED POWER PACK   | ALAR/ G LEC/ BHARANI/ GOGATE   |
| 56     | ALUMINIUM BUSBAR MATERIAL   | BANCO/ HINDALCO/ JINDAL  |
| 57     | PANEL CRACA/ MS/ GI PLATES & SHEET  | ESSAR/ TATA/ JINDAL/ SAIL  |
| 58     | CHEMICAL TYPE EARTHING INCLUDING COPPER BONDED<br>ELECTRODE & BACK FILL COMPOUND                  | ASHLOK, CRSP, ECOTECHNOLOGY &<br>PROJECTS/ ENNOV INFRA/ ERICO/ ISG<br>GLOBAL/ PRAGATI/ ELECTROCOM/ SAARA<br>EARTHING/ EQUI, REPUTED MAKE SUBJECT TO<br>CLIENT APPROVAL |
| 59     | FIRE PUMPS  | KIRLOSKOR, KSB, WIIO   |
| 60     | BORE SUBMERCIBLE PUMP   | KIRLOSKOR, KSB   |
| 61     | HVAC SYSTEM   | OGENERAL, MITSUBISHI   |
| 62     | PANNEL BUILDERS   | SHIVSHAKTI ENGINEER, SWATI & CHANNEL<br>PARTENER & APPROVED COMPANY ONLY   |
| 63     | DWC PIPE  | ASTRAL, PRINCE, SUPRIME  |
| 64     | LIFT (PRIEMIUM)   | MITSUBISHI, OTIS, SCHINDLER  |
| 65     | SOLAR SYSTEM  | TATA POWER/ BHEL/ CEIL   |
| 66     | AMPLIFIER   | BOSCH/ AAHUJA / JBL  |
| 67     | PA SYSTEM   | BOSCH/ AAHUJA / JBL  |
| 68     | Audio Cable   | Belden, Kramer   |
| 69     | WATER COOLER  | VOLTAS / USHA / BLUESTAR   |
| 70     | CEILING FAN / EXHAUST FAN   | CROMPTON/ HAVELLS / ORIENT   |
| 71     | CENTRALIZE STORAGE  | IBM/HP/ PANASONIC  |
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| Note:- |   |  |
| 1      | Client have right to check the challans of supplier.  |  |
| 2      | The MCB and MCB DB s must be of same make.  |  |
| 3      | Approve all the make of material from Client before execution.                                    |  |
|        | The Client reserve the right to select the manufacture or approved make from the above list. No   |  |
| 4      | change to be permitted in this make during execution contract.                                    |  |
| 5      | Any make not mentioned in the above lists must be approved from Client before execution.          |  |
| 6      | All the material should be ISI and as per standards mentioned in specifications and BOQ.          |  |
|        | In case of shortage of material or un-time delivery or change in model prior approval from client |  |
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| BORE WORK MAKE LIST |                              |                             |
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| Sr No               | Item                         | Make                        |
| 1                   | ERW M.S. PIPES               | JINDAL, TATA                |
| 2                   | GALVANIZED SCREEN PIPES      | PJINDAL, TATA               |
| 3                   | STAINLESS STEEL SCREEN PIPES | JINDAL, TATA                |
| 4                   | SUBMERSIBLE PUMP SET         | KIRLOSKAR, GRUNDFOS         |
| 5                   | MOTOR CONTROL CUBICAL PANEL  | L&T, KAIZEN, SCHNEIDER      |
| 6                   | MCCB/SWITCH/FUSE             | L&T, KAIZEN, SCHNEIDER      |
| 7                   | COPPER CABLE                 | RR KABEL, POLYCAB, FINOLEX  |
| 8                   | SLUICE VALVES                | KIRLOSKAR, L&T, HAVA VALVES |
| 9                   | G.I. PIPE                    | JINDAL, TATA                |

**LIST OF APPROVED MAKES:**

| <b>Sr #</b> | <b>Item</b>  | <b>Approved Make</b>                                |
|-------------|--|---|
| 1           | SWR PVC PIPE & FITTINGS 6 KG CM <sup>2</sup> ; FITTINGS : 6 KG CM <sup>2</sup><br>ECO. DRAIN PIPE & FITTINGS | ASTRAL / SUPREME/PRINCE<br>SUPREME/ ASTRAL          |
| 2           | GULLY TRAP   | GIRCO / TIRUMALA / SONIA/ SUPREME/ ASTRAL           |
| 3           | STONE WARE PIPES FOR INTERNAL UNDER GROUND DRAIN PIPE  | GIRCO / TIRUMALA / SONIA                            |
| 4           | RCC HUME PIPES EXTERNAL MAIN UNDER GROUND PIPE   | INDIAN HUME PIPE / PRANALI                          |
| 5           | C.I. PIPE & FITTINGS   | NICO OR EQ.   |
| 6           | PPR PIPES & PPR FITTINGS   | SUREME/PRINCE/                                      |
| 7           | M.S/G.I. PIPES FOR WATER SUPPLY  | TATA / JINDAL/ SWASTIK                              |
| 8           | ASTM/CPVC PIPE & FITTINGS FOR WATER SUPPLY   | ASTRAL / SUPREME/ASHIRWAD /                         |
| 9           | COMPOSITE PLUMBING PIPE & COMPOSITE FITTINGS   | KITEC OR EQ.  |
| 10          | G.I. PIPES FITTINGS WATER SUPPLY   | DRP-M / R-BRAND / ZOLOTO                            |
| 11          | GI TO GI JOINTS  | CHAMPION / EQUIVALENT                               |
| 12          | SOLVENT CEMENT   | SUPREME / KISSAN / FINOLEX                          |
| 13          | BALL VALVES  | LEADER / ZOLOTO / AUDCO                             |
| 14          | WHEEL VALVES   | LEADER / ZOLOTO/AUDCO                               |
| 15          | DCV / NRV  | ZOLOTO/SPIREX/AUDCO                                 |
| 16          | TAR  | SHALIBIND / TIKIBOND-BS                             |
| 17          | SELF PRIMING SEWAGE PUMPS  | HBD / GRUNDFOS                                      |
| 18          | VALVES   | AUDCO/ZOLOTO / R.B. / KBL / KSB                     |
| 19          | PUMPS  | KIRLOSKAR / GRUNDFOSS/XYLEM                         |
| 20          | STARTER  | SIEMENS / L&T                                       |
| 21          | PRESSURE GAUGE   | BELLS / H GURU                                      |
| 22          | BOTTLE TRAP & WASTE COUPLING   | JAQUAR / CERA/KOHLER                                |
| 23          | DEWATERING PUMPS   | GROUNDFOSS/KIRLOSKAR/ KSB                           |
| 24          | HYDROPNEUMATIC SYSTEM  | GRUNDFOSS OR EQUIVALENT                             |
| 25          | SANITARY FIXTURES  | HINDWARE / CERA /PARRYWARE                          |
| 26          | EOT CRANE WITH HOIST   | INDEF / ELECTROMECH / SAFEX / WH-BRADY / EQUIVALENT |
| 27          | METALLIC BELLOWS   | BELLOW FLEX / PRICISION / DHRUV / B.D. ENGR.        |
| 28          | R.O.PLANT  | ION EXCHANGE /POWER H20 / THERMAX                   |
| 29          | SOFTENER PLANT   | ION EXCHANGE /POWER H20 / THERMAX                   |
| 30          | SOLAR SYSTEM   | SOAHEART/MAMTA ENG/URMI/ATA-BP                      |
| 31          | ELECTRIC GEYSER  | A-O SMITH/ RACOLD/SPHERHOT                          |

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| Sr # | Item                   | Approved Make                          |
|------|------------------------|--|
| 32   | HOT WATER GENERATOR    | THERMAX/A.O.SMITH / KEPL OR EQUIVALNET |
| 33   | SEWAGE TREATMENT PLANT | THERMAX / ION EXCAHNGE / EQUIVALNET    |

NOTE : (1) Equivalent makes shall be approved by Engineer In Charge (GMC) before procurement.

(2) Make & Model No. of Sanitary & Bath Fixtures will be finalized by Engineer In Charge (GMC)