

| BEML LIMITED | | | |
|---|---|------|-----------|
| Sub:- Expansion of Material Management Office & Interior Furnishing of new store office at stores shed 2 with networking at BEML, Palakkad Complex. | | | |
| Sl. No | Description | Unit | Total Qty |
| I) Demolition & Civil Works | | | |
| 1 | Dismantling/Removal of Existing Gypsum False Ceiling at First floor, removing the materials to the salvage within a lead of 1.0 Km, Cost including of all labour, lifting, loading, unloading, leads, tools, equipment etc, Complete as per directed by Engineer in charge. Work includes removing of all type of light fittings and insulation of electrical wiring. | Sqm | 70.00 |
| 2 | Removal and refixing of the existing lights fittings (2X2) in the ceiling, complete as directed by Engineer-in-charge. | Nos | 15.00 |
| 3 | Removal of Brick masonry for fixing the UPVC windows, built in including cement mortar and removing the rubbish, within a lead of 1.0 Km, Cost including of all labour, lifting, loading, unloading, leads, tools, equipment etc, Complete as per directed by Engineer in charge. | Cum | 0.50 |
| 4 | Dismantling of Existing Wooden partition and Removal of debris Wooden within a lead of 1.0Km, Cost including of all labour, lifting, loading, unloading, leads, tools, equipment etc, Complete as per directed by Engineer in charge. Work includes safe removing the electrical wiring , switches and sockets in the wooden partitions. Existing cables and circuits shall be used for providing lighting and power controls. | Sqm | 50.00 |
| 5 | Repair and refixing of L shaped workstations with half height partition is to reduction of length and fixing the same, Debris Wooden within a lead of 1.0Km, Cost including of all labour, lifting, loading, unloading, leads, tools, equipment etc, Complete as per directed by Engineer in charge. | No | 2.00 |
| 6 | Removal and re-fixing of existing 1.5T AC on the proposed new wooden partition with drain pipe as per directed by Engineer in charge | Nos | 1.00 |
| 7 | Removal and re-fixing of existing 2T AC on the proposed new wooden partition with drain pipe as per directed by Engineer in charge | Nos | 1.00 |
| 8 | Rendering/Plastering to internal/external wall surfaces 15mm thick in Cement Mortar 1:4 on fair faces of brick or concrete surfaces including finishing the surfaces even & smooth, curing, tools & tackles etc., complete all as specified and directed by Engineer in charge. Note: The rate quoted is deemed to include for providing and removal of scaffolding/staging wherever necessary. Complete as per directed by Engineer in charge | Sqm | 15.00 |

| | | | |
|---------------------------|---|-----|--------|
| 9 | Providing and fixing 2 track Aluminium sliding window with aluminium grill fabricated and fixed in Masonry wall having main frame work of vertical and horizontal , out of extruded sections (15 micron anodised natural finish).The rate includes 4mm thick plain glass and to be fixed with snap fit aluminium beading and special PVC weather proof gasket and necessary locking arrangement. The rate also includes supply and fixing of Aluminium grills for winds fabricated from 10 microns natural anodised Aluminium grills which has 10mm width and 5mm Thick. The rate also includes fixing of main frames and grills into masonry wall/ RC concrete surface with necessary clamps, fasteners, bolts etc. Cost shall inclusive of fixing sun control film over the windows glass. Complete as per directed by Engineer in charge | SqM | 2.00 |
| 10 | Preparing Putty for Internal Surface of walls , including thorough cleaning of surface, removal of loose paint, algae, moss, repairing cracks with cement-based crack filler(whenever required), scaffolding, curing, and all tools & plants, complete as directed by Engineer-in-charge. | Sqm | 50.00 |
| 11 | Preparing & Painting of the Internal Surface of walls with Primer & premium Emulsion paint (weatherproof, anti-fungal, UV resistant) of approved shade and make, applied in two or more coats to give even shade over a coat of alkali-resistant cement primer, including thorough cleaning of surface, removal of loose paint, algae, moss, repairing cracks with cement-based crack filler (whenever required), scaffolding, curing, and all tools & plants, complete as directed by Engineer-in-charge. | Sqm | 300.00 |
| II) Interior Works | | | |
| 12 | Supply and fixing of L SHAPE WORKSTATION with specification of partition height of 1200mm frame with top and sides in Aluminium trims and junctions with diecast caps. Table Top of 25mm thick Pre laminate particle board with 2mm PVC edge lipping on all exposed edges supported with 18mm thick pre laminated gable ends. Wire management : Two numbers of 65mm Grommet cap on table & two metal raceway tile to mount switches below table top level for power and skirting tile for data. Above table top Level: Fabric Tiles, one glass marker tile & one magnetic tile per workstation and Below table Top level: Pre-Laminated tiles and metal skirting tile on Main spine towards user. Fabric tile code: Response Fabric brand - festival collections - F 181 - Colour will be finalised in execution - (Composition - 100% polyester, weight - 415grams per line meter) with FLAME RETARDANT BS EN 1021(MATCH) & IS 15061-2002 and to be provided (MUST) with HYDROGUARD (STAIN GUARD) - Fabric tiles only comes inside the workstations. It is responsibility of the vendor to provide the sample and get the approval from the BEML before delivery. | Nos | 16.00 |

| | | | |
|----|--|-----|-------|
| 13 | Supply and fixing of half height partition (element) consist of 3 three components - Framework- Finely tolerance CRCA (1.2mm thk) vertical and horizontal members welded together, 75mm wide which can be linked horizontally or vertically to any desired configuration. Frames are available in rectangular grids of 1135mm height and 5 widths 600mm, 750mm, 900mm, 1050mm, 1200mm and a module height of 525mm. fascia tiles and wire management. with M6 screws and top runners, bottom skirting, end trims, corner posts, slots in verticals, height adjustors & all aluminium components with powder coating, execute the work as per drawing, specifications and Engineer in charge. | Rmt | 10.00 |
| 14 | Supply and fixing of Fixed pedestal of dimension : 400mm W X 450mm D X 720-740mm H made of HMR particle board for workstation storage. Pedestal are made of complete body and facia in 18 mm thick HMR prelaminated particle board of approved color, Telescopic channels for drawers, handles for individual drawers and cylindrical lock. the fitting should be as per approved make list. It is responsibility of the vendor to provide sample and get approval from the BEML before delivery. | Nos | 16.00 |
| 15 | Supply and fixing of Fixed pedestal of dimension : 400mm W X 450mm D X 720-740mm H made of HMR particle board for workstation storage. Pedestal are made of complete body and facia in 18 mm thick HMR prelaminated particle board of approved color, Telescopic channels for drawers, handles for individual drawers and cylindrical lock. the fitting should be as per approved make list. Cost inclusive of removing the old pedestal and replacing of new. (wherever replace) . It is responsibility of the vendor to provide sample and get approval from the BEML before delivery. | No | 6.00 |
| 16 | Providing and fixing moisture resistant plain Gypsum False ceiling Boarding with 12.5mm thick moisture resistant gypsum plaster boards with water absorption < 5% as per BS EN 520 Greenpro certified by CII is screw fixed with 25mm long Drywall screws at 230 mm centres. The screw fixing of gypsum boards to the metal framing at the periphery, openings and cut edges should be at 150mm centres. All the Moisture resistant Gypsum boards must be staggered. All joints to be taped & finished with Paper tape & redimix All Purpose Joint Compound confirming to ASTM C475. Work should be carried out as per guidance of Engineer in charge. Finished with 2 coats of putty and 2 coats of primer and 2 coats of painting) etc., complete as directed by Engineer-in-charge. 2 Nos of trap door of size 600x600mm to be provided. False ceiling fixing frames shall be replaced with new frames wherever required. Cost shall be inclusive of gypsum board, fixing frames, accessories, painting , providing trap door etc. | Sqm | 70.00 |

| | | | |
|----|--|-----|-------|
| 17 | Supply & fixing of 10mm toughened glass partition with suitable holding clamps and wooden frames at top & bottom including all necessary fitting like rubber beading and labour etc. complete as directed by Engineer-in-Charge. Cost also includes supply and fixing of any beading / fittings/ fasteners which requires as per site condition or requires replacements. Cost also inclusive of providing suitable Aluminium channels/ rails from wooden & metal frames. Wherever ceiling support is non-availability support from wall to taken through GI support frame above the false ceiling . (Ref drawing.) | Sqm | 20.00 |
| 18 | Supplying and fixing of double wall plywood Wooden Partition using of 75 mm partition with 50mmx50mm Aluminium sections finished with both side of 12mm BWP Plywood on top with 1mm laminate Sheet including all fixing accessories, adhesives etc. Complete required as per site condition. (Ref drawing.) .Work also inclusive of providing necessary support to RCC ceiling which is at 600mm above false ceiling , routing if cables, laying conduit etc. Sample approval of laminate sheets to be obtained before commencement of work. Measurement is considered one side only | Sqm | 35.00 |
| 19 | Supply and fixing of 1 mm laminate sheets in existing veneer wooden partition including door, jams etc as per design and pattern of new partition including surface cleaning, adhesives etc complete as per site requirement. Sample approval to be obtained before commencement of work from Engineer-in-charge. | Sqm | 60.00 |
| 20 | Supply & fixing of 12mm toughened glass door of size (0.9M x 2.1M) with floor spring door closer, lock mechanism, handles on both sides and all other accessories. Necessary floor cutting, grouting etc to be done for fixing floor spring. Make of door spring door closer: Godrej/ Dorma/ Everest/ Ozone/ Hettich. | No | 2.00 |
| 21 | Providing & fixing Single Flush Door (Size - 110cm x 210cm) made of ISI marked 35mm thick solid core flush door shutters of factory made including both sides laminated finish with design pattern of approved quality make including providing & fixing of floor spring door closure with pivot, including 6mm thick teak wood lipping on all edges of flush door shutters including all necessary hardware or iron mongrey like mortise latch & lock, Tower bolt, Door stopper, door handles on both side of the door, including fixing in wooden partition with pivot / necessary hardware and fixed in position. Provision of clear glass of 6mm thickness fixed with wooden beading and polished. Make of Accessories is Dorma/Ebco. Cost shall be inclusive of fixing of floor spring type door closure in the floor. | Nos | 1.00 |
| 22 | Providing and fixing Zebra Roller Blinds of Approved make/ Color Install with top acrylic bracket with clutch operation with chain. Rate shall be inclusive of necessary scotch guard treatment on both side. The overlaps should be uniform and adequate. It is responsibility of the vendor to provide the sample and get the approval from the Engineer in charge before delivery. | Sqm | 14.00 |

| | | | |
|------------------------------|--|-------|--------|
| 23 | Supply and fixing of STEEL STORAGE SIZE : 90W x 116.85H x 45D (IN CENTIMETERS) with Specifications: of Top & Sides : CRCA Steel, Back : CRCA Steel, Shutters : CRCA Steel, Handle : Plastic Recessed Handle, Lock : Cam lock feature. The storage should be as per GODREJ INTERIO Model: STORWEL MINOR or equivalent model in approved make list. It is responsibility of the vendor to provide the sample and get the approval from the BEML before delivery. | Nos | 5.00 |
| 24 | Supplying, fabricating and installing Table of size 1500mm X 750mm x 750mm for Discussion room with following specification. 1. Top & leg panel : - 19mm thick IS 710 BWP marine plywood with hot/cold press machine lamination of 1 mm thick. The front panel shall be 150 mm from the outer edge of the table and leg shall be in line with the outer edge. . All visible edges shall be covered with 2 mm PVC edge banding and hidden edges with 0.5 mm PVC edge banding. The table should be assembled using a knockdown fittings system. complete., as per list of approved material and as approved by the BEML in all respects. etc complete as per design and the directions of engineer-in-charge. | Nos | 1.00 |
| III) Electrical Works | | | |
| 25 | Supply, Installation, Testing and Commissioning of 1.0 TR Hi Wall Split 5 star rated inverter AC Unit with Outdoor Unit, Suitable Length (5 meters) Copper Pipes and copper condenser for Split Units With Nitrile Rubber Insulations , Control Cabling IDU to ODU etc including all Accessories like, ODU stand 4 KVA stabilizer, water drain pipe till floor level etc. Cost shall be inclusive of core cutting and all accessories as per site condition. AC unit shall have Manufacturer warranty of (min) 5 year for PCB and compressor. AC shall have remotely adjustable horizontal and vertical swing feature. | No | 2.00 |
| | Primary - POINT WIRING | | |
| 26 | Wiring for light Point with 3R 1.5 sq mm FRLS PVC insulated copper FRLS wire in concealed conduit / tray with modular switch, modular plate, suitable GI box and earthing the Point as required. Cost also inclusive of modular box, switches, front plate, wires, conduit, wall cutting, concealing, drawing wiring above existing false ceiling, plastering with mesh and making good of surface as per site condition. Maximum Length of above point is 5M. | Point | 12.00 |
| | Secondary point wiring | | |
| 27 | Wiring for light Point with 3 R 1.5 sq mm FRLS PVC insulated copper FRLS wire in concealed conduit / tray from primary light fitting to secondary as required. Cost also inclusive of wires, conduit, wall cutting, concealing, drawing wiring and conduit above false ceiling, plastering with mesh and making good of surface as per site condition. Maximum length for above point is 3M. | Point | 14.00 |
| | Cable and termination | | |
| 28 | Supply, laying and termination of 3 core 2.5 SqMM copper flexible FRLSH PVC cable in wall / tray/ground in PVC or MS conduit from PDB / from existing circuit to proposed workstation/ socket. Cost inclusive of jointing with heat sinkable sleeve if connected to existing cables, conduit, wall cutting, drawing wiring above false ceiling , concealing, plastering with mesh and making good of surface as per site condition. | Rmt | 100.00 |

| | | | |
|-----------------------|--|-----|-------|
| 29 | Supply, laying and termination of 3 core 1.5 SqMM copper flexible FRLS PVC cable in wall / tray/inside workstation in PVC or MS conduit/ Sleeve from PDB or from input point . Cost inclusive of connecting existing cable with heat sinkable sleeve if supply take from existing cables. Cost also inclusive of conduit, wall cutting, concealing, plastering with mesh and making good of surface as per site condition. | Rmt | 50.00 |
| WIRING | | | |
| 30 | Wiring for circuit/submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. Cost also inclusive of wires, conduit, wall cutting, concealing, drawing wiring above existing false ceiling, plastering with mesh and making good of surface as per site condition 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire | Rmt | 60.00 |
| 31 | Wiring for circuit/submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. Cost also inclusive of wires, conduit, wall cutting, concealing, drawing wiring above existing false ceiling, plastering with mesh and making good of surface as per site condition 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire | Rmt | 60.00 |
| SOCKETS | | | |
| 32 | Supplying and fixing following modular switch/ socket with suitable modular plate & switch box as required. Work includes fixing of sockets with backbox in wall partition/ masonry wall/in workstation table. 6 amps switch with 3Pin 6A Socket | Nos | 10.00 |
| 33 | Supplying and fixing following modular switch/ socket with suitable modular plate & switch box as required. Work includes fixing of sockets with backbox in wall partition/ masonry wall/in workstation table. 16 amp switch with 16A socket | Nos | 6.00 |
| 34 | Supplying and fixing following modular switch/ socket with suitable modular plate & switch box as required. Work includes fixing of sockets with backbox in wall partition/ masonry wall/in workstation table.Computer socket for workstation 16A Switch with 3 no's of 6A socket outlet | Nos | 25.00 |
| Light fittings | | | |
| 35 | Supply and fixing of 36W±10%, Recessed mounted LED panel light with clip, size: 600 X 600mm (±5mm), 240V, 50Hz, 1 Ph, CRI: ≥80, CCT: 6000K±500, Luminaire System Efficacy: ≥130 lm/w, LM 80 certified LED, LED working life: Minimum 50,000 burning hours, Type of LED: SMD type, Protection: Over load, Short circuit, Reverse polarity protection, Surge & transient protection of ≥ 2.5 KV internal, Housing: Powder coated CRCA sheet steel, Front panel: PMMA diffuser, Ingress Protection: IP20, Weight of luminaire: ≤ 2kg. Warranty: 5 years | Nos | 6.00 |

| | | | |
|-------------------------------------|--|-----|------------------------|
| 36 | Supply and installation of 20 W LED 6000K AC RECESSED Mounted Round type LED light with drivers in false ceiling. Luminaire shall be round type with 230mm dia suitable to install in 200mm cut-out with ss spring clips. The fitting shall be white in colour with matt finish with diffuser. Rated Luminous flux (at 6000k) shall be 2000 lm or higher. . The fitting should be as per Havells product code: LHEBLEP7IN1W020 or equivalent model in approved make list. Cost shall be inclusive of all necessary fixing accessories, Drivers etc complete. It is responsibility of the vendor to provide the sample and get the approval from the BEML before delivery. Note: Electrical wiring, conduits & switch control is under scope of Electrical Contractor. | Nos | 18.00 |
| VOICE & TV CABLING WORKS | | | |
| 37 | Supply, Laying Testing and Commissioning of 10 Pair Jelly filled Armoured 0.5mm dia Telephone cable with all other associated accessories as required as per the site conditions. | Rmt | 100.00 |
| 38 | Supplying and drawing following 2 pair 0.5 sq. mm FR PVC insulated annealed copper conductor, unarmoured telephone cable in the PVC conduit in surface/ recessed steel as required. Cost shall inclusive of conduit, wall cutting, concealing , drawing cables in false ceiling, making good of surfaces etc | Rmt | 450.00 |
| 39 | Supply, fixing, Testing and Commissioning of 10 + 10 pair KRONE MDF with end termination including all other associated fixing accessories as required as per the site conditions. | Nos | 1.00 |
| 40 | Supply, fixing, Testing and Commissioning of 20 pair KRONE MDF with end termination including all other associated fixing accessories as required as per the site conditions. | Nos | 1.00 |
| 41 | Supplying, wiring, testing and commissioning of single run of CAT-6 data cable in conduit or flexible hoses in tray, wall, ground etc. As per the manufacturer specification and as per the direction of Engineer In Charge. Cost shall inclusive of conduit, wall cutting, concealing , drawing cables in false ceiling, making good of surfaces etc. Multiple cables can be routed in single conduit as per site condition. | Rmt | 700.00 |
| 42 | Supply, fixing, Testing and Commissioning of CAT-6 Information Outlet RJ 45 for Data and telephone with front plate(Single/Dual/Quad) and backbox with all other associated fixing accessories in workstation as required as per the site conditions. | Nos | 65.00 |
| 43 | Supply, fixing, Testing and Commissioning of CAT-6, 1 Mtr Patch Cord with all other associated fixing accessories as required as per the site conditions. | Nos | 20.00 |
| | | | Total Excl. GST |
| | | | Total incl. GST |