

| BEML LIMITED, BANGALORE | | |
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| Tender Number: 6300040006 | Period of contract: | FIVE Months (05 Months) |
| | EMD : | Rs. 4,35,192 |

Sub: Proposed Office renovation viz, Interiors, Civil, Electrical & Networking works towards Establishment of SBU HEAD Sustenance (R&M) Department at First floor of MRO Building, at Bangalore Complex, BEML Limited, Bangalore.

SCHEDULE 'A' - BILL OF QUANTITIES

| Sl. No | Description | Unit | Qty | Rate/unit in fig. & in words Rs. | Amount (Rs) |
|----------|---|------|-------|----------------------------------|-------------|
| A | INTERIOR WORKS | | | | |
| 1 | Contractor to generate Interior layout drawings and all services drawings with all required shop drawings for Modular items , Interiors, Civil works, work stations , LT panel , HVAC drawings , Data & Networking layout , 2 set of As built drawings after project completion , Micro level delivery schedule of the project and get it approved along with all samples of materials to be use ,before commencement of the project from BEML authority . Further, the Contractor to generate and Preparation of 3D still views with colour concept of SUB Head Cabin, Conference Hall, Workstation Area and Cabin minimum 03 nos each area and submission to BEML for approval, incorporating the changes suggested and submission of final 3D views for execution etc., complete all as specified and directed by Engineer-in-charge Note: 1) Contractor before quoting for this project - Must have valid class I Civil & Electrical Contractors license on the participating firms name . 2) Further, Contractor must have 3rd party electrical consultant on board for all electrical and panel drawing generation and approval . 3) Contractors must be familiar to generate the 3D Views and incorporate any changes as suggested by BEML & Submission of final 3D Views. | Job | 1 | | |
| 2 | Dismantling the existing wall panelling consisting of wooden framework, plywood, laminate/veneer sheets of any description including beading, nails, screws etc., complete including segregating and stacking separately the serviceable and unserviceable materials and disposing the unserviceable materials outside the site premises to a distance not exceeding 5.0KM not objected by local civic authorities all as specified and as directed by Engineer in Charge. | Sqm | 20.00 | | |

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|--------|--|------|-------|----------------------------------|-------------|
| 3 | <p>Full height partition with partly glazed panel : Providing and fixing metal stud dry wall partition with following specifications: Supporting system comprising of 51mm / 50mm x 35mm / 34mm x 0.5mm metal GI studs at 600mm c/c and 51mm / 50mm x 32mm x 0.5mm metal tracks at floor, middle, door and ceiling level with joints staggered to avoid through joints. The vertical members should touch the ceiling with horizontal ceiling channel at slab / beam bottom. The rate should also include necessary strengthening with studs / tracks or channels at doors and other openings. 12mm Exterior Grade MDF (EG-MDF) Board fixed on both sides with 25mm dry wall with star screws for the entire height of the partition.</p> <p>Partition fixed with 1.0mm approved colour and make= laminate sheet on both sides with approved colour of laminates. From 1070 mm level to 2135 mm level to have 8mm clear float glass fixed with with 85mm x 15mm alround jamb and 12mm x 12mm button beading on both sides of the glass, to a neat finish as per drawings and directions etc., complete.The glass sizes subject to design drawing etc. All beech wood members to have minimum two coats of LOW VOC or NO VOC white duco paint finish / wood polish. PLYWOOD CONFIRMING TO IS: 303. – BWR GREEN PLY/ SAMRAT/CENTURY/ARCHID)(Laminate CONFIRMING TO IS: 2046-1995 - sunmica,Greenlam, Archid) (MDF/ HDF- CENTURY/ ARCHIDPLY/ GREENPLY) (ADHESIVES- FEVICOL SH / VAMICOL/ JEEVANJORE) The partition and supoorts will be upto roof ceiling to be done. The measurement will be given upto below false ceiling.All sections used should adhere to the manufacturers guidelines and the contractor has to submit certificate from the manufacturer on usage of their specified sections(SCREWSGKW NETTLEFOLD/ TEKNIC FASTNERS)</p> | Sqm | 65.00 | | |

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|--------|---|------|-------|----------------------------------|-------------|
| 4 | Full height partition : Providing and fixing metal stud dry wall partition with following specifications: Supporting system comprising of 51mm / 50mm x 35mm / 34mm x 0.5mm metal GI studs at 600mm c/c and 51mm / 50mm x 32mm x 0.5mm metal tracks at floor, middle, door and ceiling level with joints staggered to avoid through joints. The vertical members should touch the ceiling with horizontal ceiling channel at slab / beam bottom. The rate should also include necessary strengthening with studs / tracks or channels at doors and other openings. 12mm Exterior Grade MDF (EG- MDF) Board fixed on both sides with 25mm dry wall with star screws for the entire height of the partition. | Sqm | 10.00 | | |
| | Partition fixed with 1.0mm approved colour and make laminate sheet on both sides with approved colour of laminates to a neat finish as per drawings and directions etc., complete. All beech wood members to have minimum two coats of LOW VOC or NO VOC white duco paint finish / wood polish . PLYWOOD CONFIRMING TO IS: 303. – BWR GREEN PLY/ SAMRAT/ CENTURY/ ARCHID)(Laminate CONFIRMING TO IS : 2046-1995 - sunmica,Greenlam, Archid) | | | | |
| | (MDF/ HDF- CENTURY/ ARCHIDPLY/ GREENPLY) (ADHESIVES- FEVICOL SH / VAMICOL/JEEVANJORE) The partition and supports will be upto roof ceiling to be done. The measurement will be given upto below false ceiling.All sections used should adhere to the manufacturers guidelines and the contractor has to submit certificate from the manufacturer on usage of their specified sections(SCREWSGKW NETTLEFOLD/ TEKNIC FASTNERS) | | | | |

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| 5 | Supplying and fixing/installing new powder coated aluminium partitions of approximate height 3.0 m using standard aluminium sections manufactured by M/s. Jindal/ Hindalco/ Indal/ equivalent make, conforming to relevant IS, comprising of rectangular hollow tubes measuring not less than 63.5mm x 38.10mm x 2.50mm for outer frame, verticals and horizontals. The minimum thickness of the powder coating shall be 50 microns. The centre to centre distance between the vertical members shall not be more than 1.2 m approximately. Tottom & top panels of the partition shall have a height of 0.95 m approximately. The partition shall consist of bottom panel of 12mm thick both sides decorative prelaminated particle board of approved colour and shade conforming to relevant IS manufactured by M/s.Archid/ Kitply/ National/Greenply. The top panel of the partition shall be fixed with 5mm thick frosted glass conforming to relevant IS manufactured by M/s. Modiguard / SaintGobain, including necessary hardware and accessories viz., EPDM rubber / neoprene gaskets, snap beading, aluminium glazing clips, screws, etc., complete as per site conditions and all as specified and directed by Engineer in charge. | Sqm | 32.00 | | |
| 6 | 32MM FRP DOORS : Providing and fixing 32mm thick solid core flush shutter with 85mm x 35mm beech wood frame with rebate alround the jamb and shutter fixed with 1mm Laminate as specified on both sides with glass panel of 8mm clear float glass fixed with 19 x 19mm beading on both sides and glass pasted with 3M privacy film as per design. The rate to include necessary hardware viz., door stopper, door buffer, pair of "H" type handles, Mortise Dead Lock and Euro Profile Cylinder - Key and Knob 70mm SS, SS 2 ball-bearing hinges - (127mm x 76mm x 2.5mm), door closer (all of approved make and quality), ZERO VOC or NO VOC white duco paint finish for all beech wood members, etc., complete all as specified and directed by Engineer in Charge. (Laminate - sunmica,Greenlam, Archid). | Nos | 7.00 | | |

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| | Near server room area, salwood frame of 5"x2 1/2" will be fixed to wall near server room and shutters will be fixed with sal wood frame. The glass size approximately 2'0"wide and 3'0" depth as per design. (FLUSH DOOR – CONFIRMING TO IS : 2202(Part – 1) – 1991- GREENPLY / CENTURY PLY/ UNIPLY) (Glass -SAINT GOBAIN / GUJRAT GUARDIAN / MODIFLOAT) (HARD WARE -HETTICH/ EBCO/ GODREJ) (ADHESIVES- FEVICOL SH / VAMICOL/ JEEVANJORE)(Laminate CONFIRMING TO IS : 2046-1995 - sunmica, Greenlam, Archid)(SCREWS- GKW NETTLEFOLD/ TEKNIC FASTNERS)(FLOOR SPRING / DOOR CLOSER- DOORSET / OZONE/ HARDWYN) | | | | |
| 7 | MEDIUM HEIGHT STORAGE 1200mm height: Supplying & fixing 18mm thick pre-laminated boards with 2 mm thick PVC edge-banding. The shutters will be swing door type. The storage units will be provided with shelves considering the height. The handles will be stainless steel powder or chromium finish. Levelers will be provided for countering the uneven floor surface and including all necessary fittings etc., complete all as specified and directed by Engineer in charge. Make Neon Space Modular/ V2 Modular | Sqm | 25.00 | | |
| 8 | LOW HEIGHT STORAGE upto 750mm height in executive cabin and as serving table in conference hall: Supplying & fixing 18mm thick pre-laminated boards with 2 mm thick PVC edge- banding. The shutters will be swing door type. The storage units will be provided with shelves considering the height. The handles will be stainless steel powder or chromium finish. Levelers will be provided for countering the uneven floor surface and including all necessary fittings etc., complete all as specified and directed by Engineer in charge. Make: Neon Space Modular / V2 Modular | Sqm | 10.00 | | |

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| 9 | FULL HEIGHT STORAGE upto 2100mm height in Storage room hall: Supplying & fixing 18mm thick pre- laminated boards with 2 mm thick PVC edge-banding. The shutters will be swing door type. The storage units will be provided with shelves considering the height. The handles will be stainless steel powder or chromium finish. Levelers will be provided for countering the uneven floor surface and including all necessary fittings , etc complete all as specified and directed by Engineer in charge.Make: Neon Space Modular / V2 Modular | Sqm | 18.00 | | |
| 10 | CONFERENCE TABLE: Supplying and placing in position M/s. Neon Space Modular make Mingle Modular series U shaped meeting table of size 3000mm x 2100 mm x 750 mm height of of minimum 10 seater capacity of approved layout/color with electrical plug modules, accessories. Table made up of 25mm thick Prelaminated boards which will be cut to the customized sizes. 02mm PVC edge-banding will be done at the exposed edges in the through feed machine. The vertical legs will be made up of MS powder coated/PLB and the modesty panel will be made up of 25mm thick PLB etc., complete all as specified and directed by Engineer in Charge. Make Neon Space Modular / V2 Modular | No | 1.00 | | |
| 11 | UPVC SLIDING WINDOWS: Providing and fixing factory made uPVC white colour sliding glazed window upto 1.95 m in height dimension, comprising of uPVC multi chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc complete to suite the overall size of openings all as directed and specified by the Engineer in charge. | Sqm | 45.00 | | |

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| | After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. Three track three panels sliding window with fly proof SS wire mesh(Two nos. glazed of tinted type / sunlight control film to be provided & one no. wire mesh panels)made of (small series) frame 92 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension (Area of window upto 1.75 sqm). and for providing heavy sheet float glass panes in glazed doors, windows and clerestory window shutters with 6mm thick glass panel etc., complete all as specified & as per instructions of Engineer - in charge.(Make - Promonance / VEKA) | | | | |
| | Gypsum board plain false ceiling : Providing and fixing Concealed Grid suspended ceiling system of 12.5mm Gypsum Boards / Standard Plaster Boards fixed to ceiling Frame Work as per manufacturer's instructions and details for a concealed grid key lock suspended ceiling system consisting of following: 27 x 37 x 1.6mm Soffit Clip, 5mm suspension rod / 25 x 10 x 0.5mm Ceiling Angle, adjustable spring loaded suspension clip / 2.64mm dia Connecting Clip, 20 x 28 x 30 x 0.5mm Perimeter Channel, Top Cross Rail of 3000mm long of 0.55 BMT Furring Channel / 15 x 45 x 15 x 0.9mm Intermediate Channel and 4000mm long made of 0.5mm BMT the Top Cross Rail / 80 x 26 x 0.5mm | | | | |

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| 12 | Ceiling Section to be suspended from ceiling at every 1200mm and Furring / Intermediate Channel to be fixed to Top Cross Rail / Ceiling Section at every 600mm to make a grid of 1200 x 600mm. All sections used should adhere to the manufacturers guidelines and the contractor has to submit certificate from the manufacturer on usage of their specified sections. Further the rates to include cutouts for lighting fixtures / AC grilles / Fire Alarm Detectors etc., along with necessary strengthening and supports for fixing of these. The board joints are to be flush finished with jointing compound and paper tape etc., complete as directed. The ceiling shall be finished with 2 coats of premium emulsion paint over primer putty etc complete (Brand & make for GI SUPPORT SYSTEM FOR FALSE CEILING - M/s KNAUF/ USG / GYPROC).(Brand & make for Gypsum Board - M/s Gyproc / USG). (Brand & make for PLASTER BOARDS- M/s GYPROC/ USG / KNAUF) (Brand & make for painting : M/s ASIAN / NIPPON / BERGER / KANSAI NEROLAC) | Sqm | 90.00 | | |
| 13 | GRID FALSE CEILING : Providing & fixing of Soft Fibre Acoustical Suspended Ceiling system in module size of 600X600X15mm with Angled Tegular Edge Tiles with Exposed Grid (silhouette).The tiles should have Humidity resistance (RH)of 95%,NRC 0.9,Light Reflectance >85%,Colour white,Fibre performance UK class o/class 1 (BS 476 pt-6&7)and suitable for green building application,with recycled content of 66% GW & 74% RW.The tile shall be laid on 24mm wide T-section flanges colour white having rotary stitching on all T sections i.e.the main runner,1200mm and 600mm cross tees with a web height of 38mm and a load carrying capacity of 13.2kgs/sqm and push out strength of minimum 100kgs.The T sections have a Galvanizing of 90 grams per sqm and need to be installed with suspension system of approved make. vertical supporting with j bolt and rivit system. SILHOUETTE XL 9/16" Bolt Slot - 1/4" Reveal SILHOUETTE XL 9/16" Bolt Slot - 1/8" Reveal(P-328,I-39.12.8) Make - Armstrong / USG | Sqm | 350.00 | | |
| | Work station tables: Supplying & fixing Tile Based System (75mm Thick) Frame work: made up of 02mm thick CRCA sheets with necessary slotting for wiring throughout the vertical and the horizontal side of the frame. The punching for the wiring purpose will be done in a CNC punching machine. This slotting will also act as a slot where the tiles can be fixed. | | | | |

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| 14 | <p>Raceways: 2 level cable raceways below tabletop with slots for networking and electrical terminals. One race way will be provided at the floor level which will be of 6" height. The other race way will be provided below the worktop which will measure 4" in height. These raceways will be suitable to fix any sort of electrical and networking sockets of standard size. Tiles: Made up of 09 mm thk MDF boards. This will be either upholsted with the fabric / laminated with 01 mm laminate sheets.</p> <p>These tiles will be fixed to the frame work using the spring clips at top and 'H' clips at the bottom. Each workstation will have a pin-up board & a writing board Top Trim: partition will be covered by an elegant aluminium trim which shall be fixed by means of hidden connections.</p> <p>Powder Coating: Seven Tank treatment process with hot Phospating which will be coated to a thickness of 50 microns</p> <p>Levelers: Sturdy levelers are provided for insulation and to counter uneven floor surface. Work Top: Work Top: Work top will be made up of 25mm thick pre-laminated boards which will be cut to the customized sizes and routing will be done for the curvilinear tops. 02mm PVC edge-banding will be done at the exposed edges in the through feed machine.(Make - NEON SPACE MODULAR)</p> <p>Mobile pedestal Made up of 18mm Thick pre- laminate boards with 2 mm PVC edgebanding at the edges. The unit consists of 3 drawers. The first and second are 100mm height approximately and the bottom drawer is suitable for lateral filing. The width and depth of drawer assembly are 450mm. The unit is made mobile using castor. The overall height is 675mm from floor level.M.S fabricated CPU trolley which will made up of 1.6 mm thk CRCA sheets which will be powder coated and it will be provided with castors. Used for mounting CPU. Width adjustment can be done. ABS keyboard tray provided with heavy duty sliding channels (Make : NEON SPACE MODULAR / V2 Modular)</p> | No | 32.00 | | |

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| 15 | Executive tables: Supplying & fixing tables of Size: 1500mmx750mm x 750mm ht With a side credenza Size: 1050mm x 450mm x 750mm ht. Work Top: Work Top: Work top will be made up of 25mm thick pre-laminated boards which will be cut to the customized sizes. 02mm PVC edge-banding will be done at the exposed edges in the through feed machine. The vertical legs will be made up of Metal which will be powder coated and the modesty panel will be made up of 25mm thick PLB etc. Complete. (Make : NEON SPACE MODULAR / V2 Modular) | No | 5.00 | | |
| 16 | VERTICAL BLINDS: Providing and fixing 100mm wide venetian blinds of window fashion fabric of M/s Taiwan make, with 50mm thick powder coated channel with balance, imported crylic self alignable mechanism and equally placed spacers a, imported tilting of approved shade/colour and design etc., complete including all necessary accessories and hard ware items all as specified and as directed by Engineer In Charge. Make - Window fashion / NR industries | Sqm | 40.00 | | |
| 17 | BLACK OUT ROLLER BLINDS FOR CONFERENCE HALL: Providing and fixing 100mm wide venetian blinds of window fashion fabric of M/s Vista Levalor/Mac/Hunter Douglas make, with 50mm thick powder coated channel with balance, imported crylic self alignable mechanism and equally placed spacers a, imported tilting of approved shade/colour and design etc., complete including all necessary accessories and hard ware items all as specified and as directed by Engineer In Charge. Make Window fashion / NR industries | Sqm | 5.00 | | |
| 18 | Centre table: Providing and placing of Modular furniture make centre table with 450mm X910mm and 450mm height with 25mm prelaminated partical board with 8mm thick glass on top and Support structure with 4 nos legs of B.W 50 x 50 and horizontal ties alround at top and bottom of B.W 37.5 x 37.5 as per instructions of architect / engineer in charge. (Make: Neon Space Modular, Creative office systems) All edge beadings, nails, screws, adhsesives etc. All wooden surfaces finished with melamine spray polish. (Make - Neon Space Modular / V2 modular) | No | 1.00 | | |

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| 19 | PLANTER BOX: Providing planter boxes of size 530mmx530mmx450mm ht fabricated using 19mm thick MR grade com plywood. All the external and internal surfaces shall be finished with 1mm thick laminate and the exposed edges shall be provided with 19mm wide,6mm thk TW beading and neatly polished. The planter box shall be provided with a GI tray using 22-gauge GI metal all as per architect's instructions. (Make - Neon Space Modular / V2 modular) | No | 10.00 | | |
| 20 | CHAIRS-FEATHERLITE/EUROTECH MAKE: Supplying of High Back executive chair with head rest, Dual back rest, back rest will be Dynaflex mechanism, Arms height adjustable, Arm Pad standard, leatherette multi-lock mechanism, phumatic gas lift, made of nylon / polypropylene base 26" dia, 50mm nylon castors 5 Nos etc., complete all as specified and directed by Engineer in charge. | No | 10.00 | | |
| 21 | CHAIRS-FEATHERLITE/EUROTECH MAKE: Supplying of Medium Back chairs with, castors, back rest, with adjustable lumbar support, height adjustable Arms synchro mechanism, leatherette, multi-lock synchro mechanism, phumatic gas lift, made of nylon / polypropylene base 26" dia, 50mm nylon castors 5 Nos.etc., complete all as specified and directed by Engineer in charge. | No | 50.00 | | |
| 22 | Supplying and fixing of 82 mm aluminium eassy fix bent profile skirting with silicon and 3 M tape including all necessary accessories and hard ware items all as specified and as directed by Engineer In Charge. (Make-Bottom Line/Fine Line) | RMT | 250.00 | | |
| 23 | Supplying and fixing of 19 mm x 19 mm Aluminium corner guard with instalation etc., complete all as specified and directed by Engineer in charge. Make Bottomline / Fineline | No | 30.00 | | |
| 24 | Providing and supplying of Medium back Chairs of approved brand (Eurotech / MNV office system/Featherlite) for visitors but without casters as per approved make and as per instructions of architect. | No | 18.00 | | |

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| B | CIVIL WORKS | | | | |
| 25 | Dismantling the existing old mosaic floor/wall tiles including cement mortar bedding layer and disposal of unusable materials /debris outside the site premises to a distance not exceeding 5.0 KM not objected by local civic authorities including lead, lift incomplete all as specified and directed by Engineer in Charge. Note: 1) The dismantled materials shall be removed immediately from the premises without disturbing the regular production activities. 2) The rate quoted for the item shall deemed to include for providing and removal of scaffolding/staging wherever necessary. | Sqm | 25.00 | | |
| 26 | Dismantling the existing Brick masonry wall in any thickness and disposal of unusable materials/ debris outside the site premises to a distance not exceeding 5.0 KM not objected by local civic authorities including lead, lift etc, complete all as specified and directed by Engineer in charge. Note 1) The dismantled materials shall be removed immediately from the premises without disturbing the regular production activities. 2) The rate quoted for the item shall deemed to include for providing and removal of scaffolding/staging wherever necessary. | Cum | 10.00 | | |
| 27 | Providing and constructing concrete solid block masonry of size 400 x 150 x 200mm / required size in cement mortor 1:4, raking of joints including necessary curing, tools & tackles etc complete all as specified and directed by Engineer in charge. | Sqm | 30.00 | | |
| 28 | Rendering/Plastering 20mm thick in Cement Mortar 1:4 on fair faces of brick or concrete surfaces including finishing the surface smooth and even including curing, tools & tackles at all levels and height etc., complete all as specified and directed by Engineer in charge. Note: - The rate quoted for the item shall deemed to include for providing and removal of scaffolding/staging wherever necessary. | Sqm | 150.00 | | |

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| 29 | Providing and laying in position Plain Cement Concrete of mix proportion 1:2:4 average 100mm thick using 20mm graded granite aggregates over chajja/flooring works, laid to a proper slope & gradient, well compacted, mechanical/manual mixing including finishing the top surface neat & even by using extra cement by plastering, & necessary curing etc., complete all as specified and directed by the Engineer in charge. Note: The rate quoted for the item is deemed to include for providing and removal of form work/centering/shuttering wherever necessary. | Cum | 3.00 | | |
| 30 | Supplying and fixing 25mm thick polished black Granite slab on brick support walls for wash basin & urinal partitions. Granite to be polished on one side for laying on brick support walls and both side polished for urinal partitions jointed neatly with cement mortar and pointed with black oxide or coloured cement compound to match the colour of granite including cutting to template and grinding the edges nosing half round to the slab to fix wash basin & urinal partitions etc., complete all as specified and directed by Engineer in charge. Note: The quoted rate is inclusive of a) cutting the granite to template to fix the wash basin & urinal partitions. b) wastages. c) Brick wall supports will be measured & paid separately under relevant item. | Sqm | 2.00 | | |
| 31 | Supplying and fixing new single bowl Stainless steel Kitchen Sink -satin finish of approved model 1.0mm thick with minimum size not less than 525mmx450mm (18"x21" x 8" depth) approximately manufactured by M/s. Carysil/Nirali/Futura/Jindal/Franke(610 X INSTI) fixed over 25mm thick Granite slab & jointed neatly finished with cement mortar and pointed in cement slurry/jointing powder with coloured matching pigment including all accessories viz., waste coupling, waste pipe etc., complete all as specified and directed by the engineer-in-charge. Note:1). The rate quoted for this item should be excluding 20mm thick granite slab which will be measured and paid separately under relevant item. 2). The Contractor shall submit the warranty certificate from the manufacturer to BEML) | No | 1.00 | | |

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| 32 | Supplying and Laying the 20mm diameter, heavy grade CPVC water tubing for both hot & cold water supply manufactured by M/s.Supreme/Astral/Ashirwad, laid in required length/gradient in walls, flooring & trenches including all standard CPVC fittings such as elbows, collars, Tees, MTA, FTA, PVC Clamps including cutting & making good the floor/walls with cement mortar wherever necessary 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. | Rmt | 25.00 | | |
| 33 | Providing & fixing 110mm diameter 6kg/cm2 UPVC pipes manufactured by M/s.Supreme/ Astral conforming to relevant IS for sanitary, waste water, rain water laid in gradient in walls/floors including all standard PVC fittings like elbows, bends, Tees & fixtures such as pipe clips, PVC clamps wooden plug, screws, washers etc fixed/ secured firmly 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. | Rmt | 10.00 | | |
| 34 | Supplying & fixing in position M/s. Jaquar (ARI-39347S/SOL- 6347/FLR-5347N) make swan neck brass chromium plated wall mounted sink cock with swinging spout with wall flange with necessary hardware/accessories etc., complete all as specified and directed by Engineer in charge. (Note: The warranty certificate from the manufacturer shall be submitted to BEML) | No | 1.00 | | |
| 35 | C.I. NAHANI TRAP: Providing and fixing 110mm diameter uPVC floor trap of self-cleansing design with 50mm water seal and with grated SS jali of required size with all necessary fixtures and fittings etc., complete all as specified and directed by Engineer in Charge | No | 1.00 | | |
| 36 | Supplying & fixing 40mm diameter Bottle trap of first quality, approved brand conforming to relevant IS manufactured by M/s.ESS /Parryware (G3403A1/G5103A1/Johnson/ Hindware including necessary accessories etc., complete all as specified and directed by Engineer-in-charge. | Each | 1.00 | | |
| 37 | Supplying & fixing 110 mm diameter PVC Air vent cowl Manufactured by M/s Supreme/Astral conforming to relevant IS etc including all fittings & fixtures etc., complete all as specified and as directed by Engineer in charge. | Each | 1.00 | | |

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| 38 | Supplying & fixing stainless steel soap dish/tray manufactured by M/s Parryware/Hindware/CERA /Johnson including all fittings & fixtures etc., complete all as specified and directed by Engineer-in-charge. | No | 1.00 | | |
| 39 | Preparing and complete removal of the existing surface of internal walls by scrapping, sandpapering, removing dust & including providing necessary repairs to cracks and filling the cracks with suitable crack filling compound and applying 2 or more coats of Premium Plastic emulsion paint of approved colour/shade manufactured by M/s. Asian Paints-(Royal Shyne)/Berger Paints-(Silk Glamour Matt or Sheen) over a coat of royal primer and 3mm thick full putty etc., complete all as specified and as directed by Engineer in Charge. Note: The rate is deemed to include for Providing & removal of scaffolding wherever necessary b) Wastages. 3) Removing all splashes, dirt, etc. and leaving premises in a clean state. | Sqm | 400.00 | | |
| 40 | VITRIFIED TILES FLOORING IN AREA OVER EXISTING MOSAIC FLOOR INCLUDING SKIRTING: Hacking the existing flooring and Providing and laying premium quality glazed Vitrified tiles over existing mosaic flooring with roff adhesive in different sizes (thickness to be specified by manufacturer), manufactured by M/s RAK/Johnson/Kajaria tile adhesive to be made up of M/s BAL ENDURA/ROFF/FOSROC/PIDILITE/LATICRETE with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete.as per instructions of architect. (Basic price of tiles shall not be less than Rs.130/Sft). The clear dimension of floor and skirting in Sq. m will be taken for measurement. (Thickness of tiles to be 8.5 to 9 mm as per the instructions of Engineer in charge). The tiles laid after placing electrical conduit over the existing floor etc., complete all as specified & as per instructions of Engineer - in charge. | Sqm | 450.00 | | |
| 41 | Supplying and fixing brass chromium plated towel rail 600mm long of M/s. Jaguar/parryware with all fittings, accessories etc., complete all as specified and directed by the Engineer in charge. | Nos | 1.00 | | |

| Sl. No | Description | Unit | Qty | Rate/unit in fig. & in words Rs. | Amount (Rs) |
|----------|--|------|--------|----------------------------------|-------------|
| 42 | Supplying & fixing 100mm diameter brass chromium plated grating of first quality & reputed manufacturer conforming to relevant IS etc., complete all as specified and directed by Engineer in charge. | Each | 1.00 | | |
| 43 | Preparing the steel surfaces by scrapping & applying two coats of synthetic enamel paint of first quality, approved brand and colour, Manufactured by M/s Asian paints/Berger over a coat of yellow/red oxide zinc chromate primer 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/ladder wherever necessary and protective measures etc. | Sqm | 120.00 | | |
| 44 | Cutting holes in brick walls built in cement mortar without damaging the adjacent walls etc, and making good the dismantled portion with cement mortar 1:3 including curing etc., complete all as specified and directed by Engineer in charge. | Nos | 1.00 | | |
| 45 | Supplying, Fabricating, hoisting and erecting in position MS Structural steel works for roof truss, purlins & cladding work using MS Structural steel like channels, plates, angles, cleats, flats, fixing to correct line & level including cutting, welding, bending to required shape, cleaning the rust and scales to the satisfaction of engineer in charge, shims & packing pieces will be required for erection at all elevation, heights & levels etc, including applying 2 coats of enamel paint over a coat of red/yellow oxide primer etc.,complete all as specified and as directed by engineer in charge. Note: a) The rate quoted by the Contractor for the item is deemed to include for labour, welding machine, welding rods, gas etc. b) The rate quoted by the contractor is deemed to include for scaffolding/staging & providing safety nets wherever necessary. c)The rate quoted are deemed to include the painting of structural steel members with one coat of primer and two coats of synthetic enamel paint. | KG | 300.00 | | |
| 46 | Dismantling and stacking MS Window and glass panes as per site engineer direction and handing over the same to BEML in good condition and stacking at a place as shown & shifting the same to salvage stores etc.complete and as directed by engineer in-charge. | Sqm | 45.00 | | |
| | | | | | |
| C | ELECTRICAL WORKS | | | | |
| | FACTORY-BUILT MCB DISTRIBUTION BOARDS; | | | | |

| Sl. No | Description | Unit | Qty | Rate/unit in fig. & in words Rs. | Amount (Rs) |
|--------|--|------|------|----------------------------------|-------------|
| 47 | LT ELECTRICAL PANEL FOR INCOMER | | | | |
| | MEDIUM VOLTAGE SWITCH BOARDS | | | | |
| 47 | Supply, store, Installation, Testing and Commissioning of 3 Phase, 4 wire, 415 Volts, 3 Phase, 50 Hz. panels. The fabrication shall be made with 14/16SWG cold rolled sheet with machine pressing. The surface shall be rigorously treated for derusting in 7 tank processes with dephosphating and painting with at least 2 coats of approved paint. The panel shall be totally enclosed metal clad type with double gasketing with rubber / resin lining. The panel shall be off white painted inside and shall be having control directory pasted inside the panel. The panel shall be mounted on existing trench and shall have cable entry provision from the top and bottom with suitable alley as the case may be. The panel shall be tested for the same KA rating of the from ISO-9001 companies and shall have relevant IS/IEC approvals without fail. (Fabrication, drawing and list of components and panel detail shall be got approved by consultants before fabrication). complete as required. Erection rate rate shall include base channel, grouting/grip bolts etc. | Each | 1.00 | | |
| 48 | MAIN LT PANEL | Each | 2.00 | | |
| | Incoming | | | | |
| | 1 No.250A,36KA,4P, MCCB, O/L; 0.4 - 1 x In, SC: 1.5 – 10 x Ir (MP based) KWH Energy Meter, Counter type: 1 No., MFM Meter: 1 Nos., CTs: 4 Nos., ELR with CBCT: 1 No., Indicating Lamps:5 Nos., 300A, TPN+E, 36KA, Aluminum Bus bars | | | | |
| | Out Going: | | | | |
| | 2No.100A, 25KA, TPN, MCCB, O/L; 0.7 - 1 x In, 1Nos.160A,25KA, TPN, MCCB, O/L; 0.7 - 1 x In, 1No.63A,25KA, TPN, MCCB, O/L; 0.7 - 1 x In, 4Nos.63A, TPN, MCB,10KA, KWH Digital multi–Energy Meter, Counter type: 4 Nos. | | | | |
| | Supply of MCB / MCCB Distribution Boards, wall-mounted (either surface or recessed type). Space provision shall be made for mounting ELCB in the incomer MCB. The rate shall be same for any combination of outgoings. | | | | |
| 48 | VERTICAL type TPN DB | Each | 2.00 | | |
| | 8 Way TPN DB with 63A TPN MCCB 'C' Curve MAIN Incomer and 12 Nos 16A 1 Pole MCB outgoings. (C Curve) (RAW POWER AND AC DB) | | | | |

| Sl. No | Description | Unit | Qty | Rate/unit in fig. & in words Rs. | Amount (Rs) |
|--------|---|--------|--------|----------------------------------|-------------|
| 49 | 4-Way TPN DB with 63 Amps TPN MCB "C" Curve as main incomer and 12 nos. Outgoing, each outgoing with 6/20A 1-Pole 'C' Curve MCB (LTNG DB) | Each | 1.00 | | |
| 50 | 8 Way VTPN PHASE DB with 32 Amps DP MCB "D" Curve incomer and 16 nos. 1-pole MCB "D" Curve outgoing. Space provision for ELCB shall be provided for Incomer. for (UPS DB) | Each | 2.00 | | |
| 51 | POWER & CONTROL CABLES; Supply, laying & testing of 1.1 kV Grade XLPE / PVC/FR insulated aluminium/COPPER / FLEXIBLE conductor steel armoured power cables as per IS specification. The rates quoted shall be for laying in trays, cable trenches (indoor and outdoor), pipes etc. For buried cables the excavation work will be included under the heading civil works for outdoor cable laying. 4 Core x 16 Sq.mm copper armoured Cable for DB and ups | Meters | 300.00 | | |
| 52 | Ditto as above, but 3 Core x 6 Sq. mm copper unarmoured PVC Cable for ac unit | Meters | 400.00 | | |
| 53 | Ditto as above, but 4 Core x 25 Sq.mm ALUMINIUM armoured Cable for DB | Meters | 250.00 | | |
| 54 | Cable End Termination: Supply and providing & installation of the end terminations with copper cable lugs, single compression brass cable glands, taping, crimping, gland and earthing etc. complete as required. 4 Core x 16 Sq.mm copper armoured Cable | Each | 10.00 | | |
| 55 | Ditto as above but, 3 Core x 6 Sq. mm copper unarmoured PVC Cable | Each | 30.00 | | |
| 56 | Ditto as above but, 4 Core x 25 Sq.mm ALUMINIUM r armoured Cable for DB | Each | 6.00 | | |
| 57 | SWITCHES AND SOCKET OUTLETS; Industrial type Supply, erection, testing and commissioning of factory-made metal clad totally enclosed with cast aluminium housing with industrial socket/interlocked combined rotary switch and socket with scrapping earth connection and plug top (all switches & sockets shall be housed in painted MS boxes). The erection rate shall include supply of angle iron frame work and fixing accessories such as grip bolts / grouting etc. 32 Amps, 2 pole MCB isolator with plug and socket polycarbonate enclosure for UPS incomer and outgoing with IP 44 protection SWITCHES AND SOCKET OUTLETS; Commercial type | Each | 2.00 | | |

| Sl. No | Description | Unit | Qty | Rate/unit in fig. & in words Rs. | Amount (Rs) |
|--------|--|--------|--------|----------------------------------|-------------|
| 58 | Supply, erection, testing and commissioning of power points by providing following switches/sockets mounted flush on to the furniture partition wall or fixed to surface or recessed boxes with all fixing and wiring accessories. | Each | 15.00 | | |
| | SITC with following items suitable for green building energy efficient standard. 1 x 20 Amps, 3-pin (250Volts) single phase universal socket with 20 Amps single pole MCB mounted plug and socket board with IP40 accordance with IS 13033, IS8123, IEC/EN 60439-3 configuration shall be round type. From the scope of supply (for AC power). | | | | |
| 59 | SITC with following items suitable for green building energy efficient standard. Plated or powder coated steel/ PVC boxes for fixing the socket 1 x 16 amps 3 pin shuttered modular socket with 16 amps switch mounted on modular plate and box for raw power supply | Each | 15.00 | | |
| 60 | SITC with following items suitable for green building energy efficient standard. Plated or powder coated steel/ PVC boxes for fixing the socket 2 x 6 amps 3 pin shuttered modular socket with 2 x 6 amps switch mounted on 6 modular plate and box for UPS workstation power supply | Each | 70.00 | | |
| 61 | SITC with following items suitable for green building energy efficient standard. Plated or powder coated steel/ PVC boxes for fixing the socket 4 x 6 amps 3 pin shuttered modular socket with 2 x 6 amps switch mounted on 12 modular plate and box for UPS workstation power supply | Each | 5.00 | | |
| 62 | SUB MAINS / CIRCUIT MAINS / POWER WIRING; | Meters | 40.00 | | |
| | Supply and running of 1100 V grade PVC insulated copper conductor (FRLS) wires in 2 mm thick PVC conduits (FRLS). The rate shall include supply and installation of all materials like conduits, wires, fixing accessories etc. | | | | |
| | 32 mm, dia (FRLS) PVC conduit with all accessories. | | | | |
| 63 | Ditto as above but, 25 mm, dia (FRLS) PVC conduit with all accessories. | Meters | 300.00 | | |
| 64 | Ditto as above but, 19 mm, dia (FRLS) PVC conduit with all accessories. | Meters | 40.00 | | |
| 65 | Supply & running of 2 x 6sq mm and 1 x 2.5sq mm PVC insulated FRLS copper wires in existing conduits / raceways. FOR RAW POWER | Meters | 400.00 | | |
| 66 | Supply & running of 2 x 4sq mm and 1 x 2.5 sq mm PVC insulated FRLS copper wires in existing conduits / raceways. LIGHTING MAIN CIRCUIT | Meters | 600.00 | | |
| 67 | Supply & running of 2 x 2.5 sq.mm and 1 x 1.5 sq.mm FRLS copper wires in existing conduits / raceways. | Meters | 350.00 | | |

| Sl. No | Description | Unit | Qty | Rate/unit in fig. & in words Rs. | Amount (Rs) |
|--------|--|------|-------|----------------------------------|-------------|
| 68 | POINT WIRING; | Each | 20.00 | | |
| | NOTE: Light point controlled directly by switch in switch board shall be measured under the heading SUB-MAINS / CIRCUIT MAINS / POWER WIRING only. | | | | |
| | Point wiring area with flat / false ceiling: Wiring with 2x2.5 FRLS PVC insulated 1100V grade copper conductor wires and 1 x 1.5 FRLS PVC insulated earth wire in 2mm thick FRLS PVC conduit. Height of ceiling varies from 3.5 to 5.5 meters. A separate neutral shall be run for each circuit. | | | | |
| | Single light point not more than 7M length controlled by '6 Amps switch. | | | | |
| 69 | Ditto as above but, Two light point of not more than 13M length controlled by 6 Amps switch. | Each | 20.00 | | |
| 70 | Ditto as above but, Two Way switch controlled by one light point | Each | 4.00 | | |
| 71 | Ditto as above but, Three/4 light points of not more than 15M length controlled by 6 Amps switch. | Each | 20.00 | | |
| 72 | Ditto as above but, 5/6 light points of not more than 20M length controlled by 6 Amps switch. | Each | 15.00 | | |
| 73 | Ditto as above but, 8/10 light points of not more than 25M length controlled by 6 Amps switch. | Each | 4.00 | | |
| 74 | LIGHT FIXTURE / CEILING / EXHAUST FANS; | Each | 6.00 | | |
| | Supply, Store, Erection of Lighting Fixture: Supply, Erection and testing and commissioning the following light fixtures complete with all accessories. | | | | |
| | SITC 16 W LED tube light batten type 4 ft fitting with IP 20 protection steel body with 6500 k light fixture of (PHILIPS, make/brands) | | | | |
| 75 | Ditto as above but, SITC 9 W LED round light recess mount suitable for false ceiling Alluminium diecast polycarbonate body 230 v i/p white fixtures of (PHILIPS, make / brands) | Each | 40.00 | | |
| 76 | Ditto as above but, SITC 22 W LED SQUARE /round light recess mount suitable for false ceiling Alluminium diecast polycarbonate body 230 v i/p white fixtures of (PHILIPS, make/ brands) | Each | 70.00 | | |
| 77 | Ditto as above but, SITC 1 X 18 W LED round light recess mount suitable for false ceiling Aluminum diecast polycarbonate body 230 v i/p white fixtures of M/s (PHILIPS, make/brands) | Each | 4.00 | | |

| Sl. No | Description | Unit | Qty | Rate/unit in fig. & in words Rs. | Amount (Rs) |
|--------|--|------|--------|----------------------------------|-------------|
| 78 | Ditto as above but, SITC 1X 25 W LED 2 X 2 SQUARE light recess mount suitable for false ceiling Alluminium diecast polycarbonate body 230 v i/p white fixtures of M/s (PHILIPS, makes/brands) | Each | 50 | | |
| 79 | Ditto as above but, SITC OF LED STRIP LIGHT WITH WATER PROOF COVRING Technical data • Rated voltage: 12V DC • Power consumption: 20W/m • Luminous efficiency: 6-7lm/LED • Number of LEDs: 2X120pcs/m • LED type: SMD3528 20 MTR STRIP WITH SUTABLE DRIVE FOR THE SAME | Each | 3.00 | | |
| 80 | BLDC Wall Fans : Supplying, Assembling, installation wiring testing and commissioning of Wall mounted fan complete with all accessories (Bajaj/Crompton / Havells /Orient / Atomberg make) 5 star rated suitable for Green building energy efficient standard.400mm / 16" inch Energy Efficient BEE 5 Star Rated High speed BLDC Wall Fan with Remote (White / Brown color – as per BEML approved sample) | Nos | 16.00 | | |
| D | POWER EARTHING SYSTEM; | | | | |
| 81 | Earthing Stations : Providing the earth stations with necessary materials, labour, civil works etc. as per Indian Standard specification IS:3043 etc. complete. Supplying & fixing 3 Mtrs long 50 mm diameter. GI Pipe electrode earth station plate. The identification number shall be provided both inside and outside etc., Complete all as specified and directed by Engineer in Charge. | Each | 2.00 | | |
| 82 | Supplying & fixing 25x3 mm GI R tape with sleeves etc., of first quality reputed brand etc., Complete all as specified and directed by Engineer in Charge. | Mtrs | 30.00 | | |
| 83 | Supplying & fixing 8 SWG Copper wire etc., of first quality reputed brand etc., Complete all as specified and directed by Engineer in Charge. | Mtrs | 10.00 | | |
| 84 | Supplying & fixing 6 SQ MM GREEN Copper wire WITH FRLS INSULATION of first quality reputed brand etc.,Complete all as specified and directed by Engineer in Charge. | Mtrs | 100.00 | | |
| 85 | Supply and laying of 25 mm diameter Class "B" G I pipe.pipes in wall / floor / in ground including chipping/excavation/Road cutting laying and making good the surface as required. Any collars and bends and nipples required shall be laid at a depth of 900 mm below ground level or under paved areas / under floor as required. | Mtrs | 50.00 | | |
| 86 | SITC OF FLOOR JUNCTION BOX OF HEIGHT 25 MM 50 X 50 MM SIZE WITH COVER etc.,Complete all as specified and directed by Engineer in Charge. | NOS | 10 | | |

| Sl. No | Description | Unit | Qty | Rate/unit in fig. & in words Rs. | Amount (Rs) |
|----------|---|------|-------|----------------------------------|-------------|
| 87 | SITC OF FLOOR ALUMINIUM RACE WAY FOR ELECTRICAL WORKS OF HEIGHT 50 X 50 MM SIZE WITH COVER etc.,Complete all as specified and directed by Engineer in Charge. | MTR | 500 | | |
| 88 | Cutting of floor for laying conduits for LAN / Telephone system of size required at site, and may good by providing chicken mesh and rough plastering. | Rmt. | 100 | | |
| | UNINTERRUPT POWER SUPPLY SYSTEM (UPS) | | | | |
| 89 | Supply Installation, testing & Commissioning of microprocessor based 10 kVA UPS with IGBT based Rectifier and Inverter only. UPS Should be True Online Double Conversion (VFI as per IEC62040-3). 3 Phase input & 3 Phase output each comprising of the following. THD(i) shall be less than 5% @ 100% load. Input power factor shall be more than 0.98. from 50% to 100% load Shall have soft start Facility for Compatibility with Generators Inverter capability to supply 150% load for 30 sec. Shall not allow deep discharge of the battery. There should be a external MCCB available with UV trip coils. The MCCB should disconnect itself in case of UV or emergency conditions. Shall have inbuilt SNMP, Modbus Cards installed for monitoring on BMS. UPS to have inbuilt Static By-pass enabled . Battery Bank of 10KVA UPS at 0.80 output power factor strictly as per specification given in the document. UPS of 10KVA shall have 30 min. battery backup. Battery Racks, Intercell & Inter Tier Connectors for the battery Banks, External MCCB with UV coils and UPS to Battery Cables for a distance of 20 mtrs. The battery shall comprise of 12 volt cell and size and combination of bank in terms of VAH shall be clearly mentioned with battery calculation with inverter efficiency as 0.94 or less. | SET | 1.00 | | |
| E | AC WORKS | | | | |
| 90 | Supply, Installation, Testing & Commissioning of following high wall mounted Cassette / Inverter Split AC along with 5 Mtrs. Refrigerant piping & cabling, irrespective of the number of circuits & stand for the condensing unit (Suction line to be insulated with elastomeric nitrile rubber tubular insulation of 9mm thickness adhesive & joints sealed with black monsoon tape) including stabilizer, The indoor unit shall contain multirow dx cooling coil,drier,blower with drive motor, including installation charges Daikin Make 2.0 Ton Highwall Split AC Inverter five Star Rated (in executive cabin) Inverter Highwall 5 star rating units are available. All Highwall units available in Single Phase only. | Nos. | 15.00 | | |

| Sl. No | Description | Unit | Qty | Rate/unit in fig. & in words Rs. | Amount (Rs) |
|----------|---|---------|---------|----------------------------------|-------------|
| 91 | Supplying, Installing, Testing & Commissioning with SOFT Copper piping with first charge of Refrigerant Gas & Oil, pressure testing, vacuumising etc. complete. | | | | |
| | Note: - Suction line and pressure line to be insulated with electromeric nitrile, rubber tubular insulation of 9mm thickness adhesive & joints sealed with black monsoon tape etc. complete as per instructions of the Architect / Consultant. | Rmt. | 200.00 | | |
| 92 | Supplying / Installation / Testing & Commissioning of Copper Cables with Thickness - 3 core 4 sq.mm round sheeted cable for single phase and Thickness - 5 core 4 sq.mm round sheeted cable for three phase. | Rmt. | 200.00 | | |
| 93 | Supply and fixing 16A switch combined plug and socket modular type box. For each AC unit etc., complete all as specified and directed by Engineer in Charge. | Nos | 15.00 | | |
| 94 | Supplying / Installation / Testing & Commissioning stabilizer time delay 3kva / 5 kva etc., complete all as specified and directed by Engineer in Charge. | Nos | 15.00 | | |
| 95 | Supplying / Installation / Testing & Commissioning 25mm PVC Drain Pipe etc., complete all as specified and directed by Engineer in Charge. | Mtrs. | 200.00 | | |
| | | | | | |
| F | NETWORKING WORKS | | | | |
| 96 | Supply & Installation of Information outlet (cat-6) of first quality etc., complete all as specified and directed by Engineer in Charge. | Nos | 120.00 | | |
| 97 | Supply & Installation of 7ft patch cord (cat-6) of first quality etc., complete all as specified and directed by Engineer in Charge. | Nos | 120.00 | | |
| 98 | Supply & Installation of Numbering ties of first quality etc., complete all as specified and directed by Engineer in Charge. | Nos | 50.00 | | |
| 99 | Supply & Installation of Face plate of first quality etc., complete all as specified and directed by Engineer in Charge. | Nos | 120.00 | | |
| 100 | Miscellaneous expenses (gatta, screw, ferrules, tap) | Lumpsum | 1.00 | | |
| 101 | Supply and fixing of Cat 6 cable for data ports of first quality etc., complete all as specified and directed by Engineer in Charge. | meters | 4000.00 | | |
| 102 | Supply and laying of 19 mm conduit for data cabling first quality etc., complete all as specified and directed by Engineer in Charge. | meters | 4000.00 | | |
| 103 | Supply and installation of 3 module PVC box first quality etc., complete all as specified and directed by Engineer in Charge. | Nos | 5.00 | | |

| Sl. No | Description | Unit | Qty | Rate/unit in fig. & in words Rs. | Amount (Rs) |
|--|--|------|------|----------------------------------|-------------|
| 104 | Supply & Installation of 24 Port unloded patch panel first quality etc., complete all as specified and directed by Engineer in Charge. | Nos | 5.00 | | |
| 105 | Supply & Installation of 1'U'Cable manager first quality etc., complete all as specified and directed by Engineer in Charge. | Nos | 1.00 | | |
| 106 | Supply & Installation of 12'U'Rack with power stripper - 01no and hardware first quality etc., complete all as specified and directed by Engineer in Charge. | Nos | 2.00 | | |
| 107 | Supply & Installation with testing and comissioning of 24 port switch first quality etc., complete all as specified and directed by Engineer in Charge. | Nos | 2.00 | | |
| Note:- 1) The rate quoted for the above items is deemed to include for providing and removal of scaffolding/staging wherever necessary. 2) The contractors/ prospective bidders shall visit the site and acquaint themselves with the site conditions before submission of bid/ quote. 3) The contractor to note that the dismantled materials should be removed and shifted immediately from the site premises without disturbing the regular office atmosphere in the area and the rate is deemed to include for the same. 4) L-1 Contractor to whom the contract is awarded is requested to submit the drawings, 3D Visualisation of proposed renovation work. | | | | | |
| | Total value of work excluding GST (Rs). | | | | |
| | GST (Rs). | | | | |
| | Total value of work inclusive of GST (Rs) | | | | |

(Total Amount in words Rupees.....
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Signature of the Contractor with seal