

General Scope

- 1.1.1.1 Supply of all material including necessary requirement and other tools are under the complete responsibility of the contractor.
 - 1.1.1.2 All installation works must be carried out by the awarded contractor. All necessary tools and other equipment including adhesives and other components will not be provided by the client and must be managed by the awarded contract.
 - 1.1.1.3 Regular site inspection will be done by the client during construction work. During site analysis and measuring, the awarded contractor will always be accompanied by a staff of the client on site.
 - 1.1.1.4 All works must be carried out with care to the existing structure. All partition to be fabricated by the contractor at their own premises to minimize the disturbance to other offices in the building. Work must be minimized to fixing only where applicable. All finishes must be done with extra care to provide a seamless finish.
 - 1.1.1.5 AC's located within site should not be turned on to prevent any damage, due to excess dust and particles. Where required, these should be covered.
 - 1.1.1.6 Relocation of existing furniture to the areas specified by the staffs.
 - 1.1.1.7 All waste must be discarded by the contractor. Common areas, staircase and lobby should be cleaned after shifting of materials during the period when the work is conducted on site. Finally, site should be cleaned prior to hand over.
- 1.1.2 Demolition work of the existing partition walls, doors.
- 1.1.2.1 Contractor should ensure that no damage is made to the building and its structure.
 - 1.1.2.2 Contractor should ensure the safety of other occupants in the building during the shifting of materials.
 - 1.1.2.3 Contractor should ensure minimum disruption to other occupants during the work.
 - 1.1.2.4 Doors should be removed without damaged and handed over to the client.

1.1.3 Construction of new partition walls, doors, and store cupboards, open deck area and stage as per the drawings attached.

- 1.1.3.1 Height of all the partitions walls should be up to height specified in the drawing. Additionally, this should be verified with the onsite condition by the contractor.
- 1.1.3.2 Location of the partitions are shown in the attached floor plan drawings.
- 1.1.3.3 Contractor must give shop drawings and specification for the partition work for the approval of client prior to commencing any physical work.
- 1.1.3.4 For the Aluminum partition, thickness of Aluminum profile should be 1.2mm. All profiles should be white powder coated and coating thickness should be 60 microns minimum.
- 1.1.3.5 Thickness of the partition wall should be 50 to 75mm.
- 1.1.3.6 Minimum glass thickness for doors and fixed glass should be 6mm to 8mm and frosted sticker should use.
- 1.1.3.7 Contractor must provide shop drawings and the specifications of all doors, partition before fabrication for the approval of the Ministry.
- 1.1.3.8 Samples of the materials that is intended to be used for the permanent work should be submitted for the approval of the client before commencing the work.

1.1.4 Electrical works

- 1.1.4.1 2 x 13-amp sockets to be provided for each workstation, as per the drawing.
- 1.1.4.2 13-amp sockets to be provided for printers and other equipment.
- 1.1.4.3 Electrical wiring to be routed from DB, through the ceiling trays and brought down at each column (with casing) and then terminated at the 13-amp sockets at the workstation.
- 1.1.4.4 Provision of additional breakers for the provision of extra electrical points

1.1.5 Network Cabling

- 1.1.5.1 Cables must be labeled clearly with their source and destination at each termination point (to ensure that both the ends of the cable are labeled for identification and traceability)
- 1.1.5.2 Install CAT6 category network cable
- 1.1.5.3 There must be a sufficient length of cable (recommended 5 feet) at the termination end to the wall mount rack.
- 1.1.5.4 Termination type: T568B standard
- 1.1.5.5 Cat6 Patch Panel must be installed in the Wall Mount Rack
- 1.1.5.6 Network face panel must be terminated (T568B standard) at workstations
- 1.1.5.7 Every cable must be tested during installation and termination. If there are any connectivity issues whatsoever, the cable must be identified and replaced. Final test results must be provided to MoED
- 1.1.5.8 Do not leave unused cables in casings or above the ceiling
- 1.1.5.9 Bundle cables that route over the ceiling to the same location together
- 1.1.5.10 Cables running above the ceiling must be run through a conduit
- 1.1.5.11 Cable running to workstations and other areas must be run through partitions (With minimal use of cable casing)
- 1.1.5.12 Ensure termination points to the Patch Panel are arranged and bundled together neatly to ensure clean cabling to switch
- 1.1.5.13 1M Patch code (Preferable: Black) must be provided to each Network face panel (Which needs to connect to Workstations/equipment) and each point in the patch panel (which needs to connect to Network Switches)
- 1.1.5.14 Do not pass network cables and electric cables in the same conduit or casing