

People's Majlis Secretariat requires an optical fibre network for for broadcasting and streaming purposes throughout the premises. This system must be able to switch any signal from any location to either the video room, studio, media department or a combination of either. Entire network must be OS2 single mode and all ports, connectors and patch cords must be LC UPC duplex.

### Locations and ports

Location description	Number of locations	Number of ports per location	Total # of ports
Ext. building small meeting rooms	8	4	32
Ext. building large meeting rooms	4	4	16
Ext. building Speaker's meeting room	1	2	2
Ext. building press room	1	12	12
Ext. building media department	1	12	12
Ext. building function halls	2	8	16
Ext. building cafeteria	1	4	4
Ext. building 12th floor large area	1	8	8
Ext. building terrace	1	4	4
Main building cafeteria	1	4	4
Main building meeting rooms	2	2	4
Main building meeting room	1	4	4
Main building portico	1	4	4
Outside reception area	1	4	4
Member's parking zone	1	4	4

### Required hardware

Location description	Type/model	Quantity
Ext. building server room	Central 144-port ODF connecting all ext. building drops	1
Ext. building server room	48-port ODF connecting to main building network room	1
Ext. building server room	Dell PowerConnect compatible 40G transceiver	1
Throughout the premises	Dedicated splice closures	?
Main building studio	Fibre Entrance Cabinet with all trays, clamps and other accessories	1
Main building studio	48-port ODF	1
Main building studio	OpenGear Converter Optical Fiber Module	4
Main building video room	12-port ODF connecting main building network room	1
Main building network room	24-port ODF connecting main building drops and ext. building server room	2
Ext. building media department	Blackmagic Design Terranex AV with 12G SFP Module	4
Ext. building media department	Blackmagic Design 12G SDI to Optical Mini Converter	8
Ext. building media department	42U cabinet 800x800 with vertical PDU and vertical cable managers	1
Ext. building media department	Blackmagic Design DeckLink Mini Recorder 4K	4
Ext. building media department	Aruba 2930M 24-port Smart Rate Switch with 40G uplink module	1
Ext. building media department	Aruba compatible 40G Transceiver	1
Ext. building media department	NBASE-T PCI-E Express Card	4
All meeting rooms	Rackmount Line Mixer/Splitter 8 in/ 2out	14
All meeting rooms	4-gang XLRF wall socket connecting rackmount mixer	14
All other items and accessories required for project completion (patch cords etc)		

Proper survey to be done by all bidders before submission of tender

All cables to be terminated/spliced by bidder

All drops must be properly labeled and continuity must be tested

All cabinets and rackmount items to be racked and installed by bidder

All outdoor faceplates must be covered to protect from water and dust

20% extra fibre patch cords to be provided

A detailed SLD is required for the entire project. Submissions will not be accepted without the SLD.